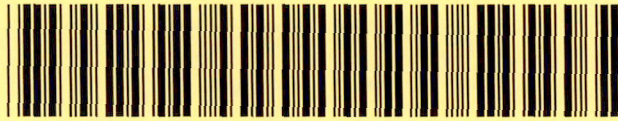


1083IHSSF3085



DocumentID NONCD0002898

Site Name WOODLEAF & RIDGE PCE

DocumentType Correspondence (C)

RptSegment

DocDate 4/12/2011

DocRcvd 5/2/2011

Box SF3085

AccessLevel PUBLIC

Division WASTE MANAGEMENT

Section SUPERFUND

Program IHS (IHS)

DocCat FACILITY

NC DWO Laboratory Section Results

3140 Woodleaf

County: **ROWAN**
 River Basin
 Report To: **MROAP**
 Collector: **M ALVALLE**
 Region: **MRO**
 Sample Matrix: **GROUNDWATER**
 Loc. Type: **WATER SUPPLY**
 Emergency Yes/No
 COC Yes/No **YES**

RECEIVED

MAY 2 2011

NC DENR MRO IHSB



✓ Hpm
4-21-2011

Sample ID: **AB70285**
 PO Number #: **11G0266**
 Date Received: **04/13/2011**
 Time Received: **08:30**
 Labworks LoginID: **DLEAVITT**
 Report Generated: **4/20/11**
 Date Reported: **04/20/2011**

REVISED

REPORT

DATE: 4-28-11

INITIALS: DLE

VisitID

Loc. Descr.: **REED 3140 WOODLEAF**

Location ID: WOODLEAFANDRIDGE	Collect Date: 04/12/2011	Collect Time: 13:10	Sample Depth
--------------------------------------	---------------------------------	----------------------------	--------------

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
-------	--------------	-----	----------------------	-------	---------------------	------------------	--------------

LAB	Sample temperature at receipt by lab	0.9	°C			4/13/11	DLEAVITT
-----	--------------------------------------	-----	----	--	--	---------	----------

VOL	Volatile Organics in liquid		_TITLE_	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
67-66-3	Chloroform	0.25	0.22 N3	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected J2	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	0.29	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist?>

NC DWQ Laboratory Section Results

Location ID: WOODLEAFANDRIDGE

Sample ID: AB70285

Collect Date: 04/12/2011

Collect Time:: 13:10

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER

Sample Comments

VOL: J2 - 1 of 17 analytes failed < LCL in LCS - QC.

WOODLEAF AND RIDGE

COC

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code WOODLEAF & RIDGECounty ROWAN

Quad No _____ Serial No. _____

Lat. _____ Long. _____

SAMPLE TYPE

- ☒
- Water
-
- ☐
- Soil
-
- ☐
- Other

☒ Chain of Custody

SAMPLE PRIORITY

- ☐
- Routine
-
- ☐
- Emergency

2

116 0266 AB70285
Lab Number _____
Date Received 4.13.11 Time: 0830
Rec'd By: HMM From: Bus, Courier, Hand Del.,
Other: _____
Data Entry By: _____ Ck: _____
Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,

WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): M.ALVALLE / T.BEVERLY Date 4-12-11 Time 1310 Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust,
Other: _____

FIELD ANALYSES

pH ₄₀₀ _____ Spec. Cond. ₉₄ _____ at 25°CTemp. ₁₀ _____ °C Odor NoneAppearance ClearField Analysis By: M. Alvalle

LABORATORY ANALYSES

BOD 310	mg/L	Diss. Solids 70300	mg/L	Ag-Silver 46566	ug/L	Organochlorine Pesticides
COD High 340	mg/L	Fluoride 951	mg/L	Al-Aluminum 46557	ug/L	Organophosphorus Pesticides
COD Low 335	mg/L	Hardness: Total 900	mg/L	As-Arsenic 46551	ug/L	Nitrogen Pesticides
Coliform: MF Fecal 31616	/100ml	Hardness (non-carb) 902	mg/L	Ba-Barium 46558	ug/L	Acid Herbicides
Coliform: MF Total 31504	/100ml	Phenols 32730	ug/l	Ca-Calcium 46552	mg/L	PCBs
TOC 680	mg/L	Specific Cond. 95	µMhos/cm	Cd-Cadmium 46559	ug/L	
Turbidity 76	NTU	Sulfate 945	mg/L	Cr-Chromium 46559	ug/L	
Residue, Total Suspended 530	mg/L	Sulfide 745	mg/L	Cu-Copper 46562	ug/L	
				Fe-Iron 46563	ug/L	Semivolatile Organics
		Oil and Grease	mg/L	Hg-Mercury 71900	ug/L	TPH-Diesel Range
pH 403	units			K-Potassium 46555	mg/L	
Alkalinity to pH 4.5 410	mg/L			Mg-Magnesium 46554	mg/L	
Alkalinity to pH 8.3 415	mg/L			Mn-Manganese 46565	ug/L	XX Volatile Organics (VOA bottle)
Carbonate 445	mg/L	NH ₃ as N 610	mg/L	Na-Sodium 46556	mg/L	TPH-Gasoline Range
Bicarbonate 440	mg/L	TKN as N 625	mg/L	Ni-Nickel	ug/L	TPH-BTEX Gasoline Range
Carbon dioxide 405	mg/L	NO ₂ + NO ₃ as N 630	mg/L	Pb-Lead 46564	ug/L	
Chloride 940	mg/L	P: Total as P 665	mg/L	Se-Selenium	ug/L	
Chromium: Hex 1032	ug/L	Nitrate (NO ₃ as N) 620	mg/L	Zn-Zinc 46567	ug/L	
Color: True 80	CU	Nitrite (NO ₂ as N) 615	mg/L			
Cyanide 720	mg/L					

Lab Comments _____

NC DENR/DWQ Laboratory
Sample Anomaly Report (SAR)

Report to: MROSP

Lab Number:	AB70284, AB70285	Sample ID:	11G0265, 11G0266
Station	WOODLEAFANDRIDGE_TB,	County:	ROWAN
Location:	WOODLEAFANDRIDGE 3140	Region:	MRO
Sample Type:	WATER	Priority:	COC
		Collector:	M.ALVALLE / T.BEVERLY
Date collected:	4/11/11, 4/12/11	Date received:	4/13/11
Affected Parameter(s):	VOLATILES	Date analyzed:	4/13/11

Analytical Area (check one):

☐ WCH ☐ METALS ☒ VOA ☐ SVOA
☐ NUT ☐ MICRO ☐ PEST

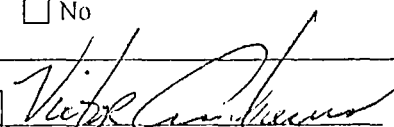
The following anomalies occurred (check all that apply):

- | | |
|---|--|
| <input type="checkbox"/> Samples <ul style="list-style-type: none"> <input type="checkbox"/> Improper container used <input type="checkbox"/> VOA vials with headspace <input type="checkbox"/> Sulfide samples with headspace <input type="checkbox"/> Samples not received, but listed on fieldsheet <input type="checkbox"/> Samples received, but not listed on fieldsheet <input type="checkbox"/> Mislabelled as to tests, preservatives, etc. <input type="checkbox"/> Holding time expired <ul style="list-style-type: none"> <input type="checkbox"/> Prior to receipt in lab <input type="checkbox"/> After receipt in lab <input type="checkbox"/> Insufficient quantity for analysis <input type="checkbox"/> Sample exhibits gross non-homogeneity <input type="checkbox"/> Sample not chemically preserved properly <ul style="list-style-type: none"> <input type="checkbox"/> pH out of range (record pH): <input type="checkbox"/> Improper chemical <input type="checkbox"/> Residual chlorine present in sample <input type="checkbox"/> Color interference <input type="checkbox"/> Heavy emulsion formed during extraction <input type="checkbox"/> Sample bottle broken in lab - no reportable results <input type="checkbox"/> Other (specify): | <input checked="" type="checkbox"/> Quality Control <ul style="list-style-type: none"> <input type="checkbox"/> Instrument failure - no reportable results <input type="checkbox"/> Analyst error - no reportable results <input type="checkbox"/> Surrogates <ul style="list-style-type: none"> <input type="checkbox"/> None added <input type="checkbox"/> Recovery outside acceptance limits <input type="checkbox"/> Spike recovery <ul style="list-style-type: none"> <input type="checkbox"/> None added <input type="checkbox"/> Recovery outside acceptance limits <input type="checkbox"/> Failed to meet criteria for precision <input type="checkbox"/> Internal standards <input type="checkbox"/> Blank contamination <input checked="" type="checkbox"/> QC data reported outside of controls (e.g., QCS, LCS) <input type="checkbox"/> Incorrect procedure used <input type="checkbox"/> SOP intentionally modified with QA and Branch Head approval <input type="checkbox"/> Invalid instrument calibration <input type="checkbox"/> Elevated detection limits due to: <ul style="list-style-type: none"> <input type="checkbox"/> Insufficient sample volume |
|---|--|

Comments: 1 of 17 analytes failed < LCL in LCS - QC.

Corrective Action:

☐ Samples were rejected by DWQ Lab. Authorized by: _____ Date: _____
☐ Accepted and analyzed after notifying the collector or contact person and determining that another sample could not be secured.
☐ Sample(s) on hold until: _____
☒ Sample reported with qualification. Data qualification code used: J2
☐ Other (explain): _____
 Notification Required? ☐ Yes ☐ No
 Person Contacted: _____ Date: _____

Form completed by: Victor Andrews  Date: 4/14/2011

Lead Chemist Review (initial):

☐ BIOCHEM _____ ☐ PEST _____ ☐ SVOA _____
☐ METALS _____ ☒ VOA AT

By: AKC lead Review (initial):
 QA: DBS Review (initial): 4/28/11

Logged into database by (initial): RuB 4-28-2011



STRAUCH FITZGERALD & GREEN, P.C., 118 SOUTH CHERRY STREET, WINSTON-SALEM, NC 27101

RECEIVED

FEB 23 2011

TELEPHONE: 336-725-8688
FACSIMILE: 336-725-8867

NCDENR MRO IHSB

Dawn T. Mistretta
Direct Dial/Mobile: (704) 488-8000
Email: dmistretta@sfandglaw.com

February 21, 2011

VIA FAX (704- 663-6040) AND EMAIL (Donna.DeCarlo@ncdenr.gov)

Ms. Donna Marie DeCarlo
Inactive Hazardous Sites Branch
Superfund Section
610 East Center Avenue, Suite 301
Mooresville, NC 28115

RE: Water Filtration System, 3150 Woodleaf Road

Dear Ms. DeCarlo:

As you are aware, my firm represents Bret and Susan Watson with respect to the groundwater contamination issues at their home. Thank you for discussing with me your correspondence dated February 14, 2011, in which the Inactive Hazardous Sites Branch ("Branch") offered to pay for the installation and maintenance of a water filtration system at my clients' home.

Based on your correspondence and our conversation, it is my understanding that the Branch will both hire and pay a contractor to install and maintain a water filtration system to treat the water that is entering the Watsons' home. The Branch will pay for all maintenance on the water filtration system so long as the Branch has the funds to pay for it, which is not certain. You indicated to me that the installation of the system costs between \$2,000 and \$5,000 and that maintenance costs vary depending upon water usage and extent of contamination. It is my understanding that once the Branch funds allocated to pay for maintenance of the system run out, the Watsons will be required to pay for maintenance of the system. You requested permission to install the water filtration system at the Watsons' home immediately. You also indicated that a Notice of Inactive Hazardous Substance or Waste Disposal Site ("Notice") may be required to be filed with the Rowan County Register of Deeds' Office due to the contamination of the groundwater wells that serve the Watsons' property.

I have had the opportunity to discuss the Branch's offer with my clients and they would like the Branch to proceed with installing the water filtration system in their home as soon as possible. The Watsons would like the filtration system installed in the least obtrusive place in their home and would like to be consulted regarding the final placement of the system. In addition, the Branch shall remain responsible for any damage that occurs (and for repairing it at

the Branch's expense) to the Watson's home or property during the installation process. In the event that a Notice is required to be filed related to my clients' property, please provide a copy of the Notice prior to the filing such that my clients will be able to review it.

Thank you for your time and attention to this matter. Please let me know when the Watsons may expect the installation to begin.

Sincerely,

A handwritten signature in blue ink that reads "Dawn T. Mistretta /as". The signature is fluid and cursive, with a large initial "D" and a stylized "M".

Dawn T. Mistretta

cc: Stan B. Green, Esq.
Bret and Susan Watson



STRAUCH FITZGERALD & GREEN, P.C., 118 SOUTH CHERRY STREET, WINSTON-SALEM, NC 27101

TELEPHONE: 336-725-8688
FACSIMILE: 336-725-8867

Dawn T. Mistretta
Direct Dial/Mobile: (704) 488-8000
Email: dmistretta@sfandglaw.com

February 21, 2011

VIA FAX (704- 663-6040) AND EMAIL (Donna.DeCarlo@ncdenr.gov)

Ms. Donna Marie DeCarlo
Inactive Hazardous Sites Branch
Superfund Section
610 East Center Avenue, Suite 301
Mooresville, NC 28115

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February 21, 2011
Page 2

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Thank you for your time and attention to this matter. Please let me know when the Watsons may expect the installation to begin.

Sincerely,

A handwritten signature in cursive script, appearing to read "Dawn T. Mistretta /as".

Dawn T. Mistretta

cc: Stan B. Green, Esq.
Bret and Susan Watson



COPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor
February 1, 2011

Dexter R. Matthews
Director

Dee Freeman
Secretary

Bret and Susan Watson
3150 Woodleaf Road
Salisbury, NC 28081

Re: **APPLICATION FOR BERNARD ALLEN EMERGENCY DRINKING WATER FUND**

Woodleaf & Ridge PCE
Salisbury, Rowan County
IHSB # Pending

Dear Mr. and Mrs. Watson:

As noted in previous correspondence, samples collected from your water supply well on May 26, 2010 and June 21, 2010 exceeded the federal drinking water standard for tetrachloroethene (PCE). The source of PCE in your well is unknown. On September 15, 2010, I spoke with you to discuss options for providing an alternative water supply to your residence. It was agreed that a Point of Entry (POE) treatment system appears to be a good option for your situation. On September 16, 2010, I sent you a Bernard Allen Affidavit and a letter explaining the procedure for filling it out.

I called to follow up with you on November 1, 2010 because I had not received a completed Affidavit. You stated you did not return the Affidavit because you do not meet the Bernard Allen Fund's income requirement. I explained that documenting you are not eligible for the Bernard Allen Fund by returning a completed Affidavit is a requirement for requesting access to other potential funding sources.

As of this date, I have not received a response from you. I cannot continue the process of investigating funding options without your assistance and cooperation. POE systems can range from about \$2,000.00 to \$5,000.00 or more depending on the type and concentrations of contaminants, type of system, water use patterns, and other factors. Maintenance costs will depend on specific water quality and use information. If you wish to seek access to an alternate water source through the Inactive Hazardous Sites Branch programs, please return a copy of the completed affidavit. If not, please provide written notice of your decision for our records. Your prompt response is appreciated. If you have any questions or need additional information please call me at 704 235 2166. You can also contact me by email at donna.decarlo@ncdenr.gov.

Sincerely,

Donna Marie DeCarlo, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section
610 East Center Avenue, Suite 301
Mooresville, NC 28115



COPY

North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management

Beverly Eaves Perdue, Governor
Dee Freeman, Secretary

May 23, 2011

Bobby Reed
3140 Woodleaf Road
Salisbury, NC 28147

Re: Health Risk Evaluation
Residential Water Supply Well Sampling Results
3140 Woodleaf Road
Salisbury, Rowan County, North Carolina

Dear Mr. Reed:

On April 18, 2011, Harmon Environmental collected a water sample from your residential water supply well as part of a routine monitoring event for an Underground Storage Tank (UST) release. The sample was submitted to Prism Laboratories, Inc. and analyzed for Volatile Organic Compounds (VOCs). VOCs include a variety of man-made chemicals used in industrial and household products including solvents, degreasers, gasoline additives, and water treatment systems. The results for your well were forwarded to the IHSB on May 16, 2011. The laboratory analytical report indicated that Carbon tetrachloride was identified at a concentration of 5.9 micrograms per liter ($\mu\text{g/l}$). Carbon tetrachloride has been used as a drycleaning solvent, in fire extinguishers, degreasers and pesticides, but is no longer allowed to be used in the United States. No other VOCs were reported at concentrations exceeding their respective Practical Quantitation Limits (PQLs). The PQL is the concentration that must be present for the lab to accurately determine the concentration. Because a potentially harmful VOC was detected in this sample, a request for a Health Risk Evaluation (HRE) was submitted to a toxicologist for a recommendation on use of this well. The HRE stated that your well water can be used for all household purposes.

Copies of the HRE and the laboratory report are attached. IHSB is continuing efforts to determine the source of these and other chemicals in groundwater in your area. If you have any questions, please email me at donna.decarlo@ncdenr.gov or call me at (704) 235-2166.

Sincerely,

Donna Marie DeCarlo, Hydrogeologist

Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch

cc: Myers Brothers Gin file

MEMORANDUM

Date: May 19, 2011

TO: Donna DeCarlo, Hydrogeologist
Superfund Section, IHSB
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygienist *HA*
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
3140 Woodleaf Road
Salisbury, Rowan County

A water sample was collected from the water supply well at the subject address on April 18, 2011. Carbon tetrachloride was detected at a concentration that did not exceed its applicable standard. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L).

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Sample #	Chemical	04/18/2011 Concentrations ug/l	USEPA MCL ug/l	Calculated Health-based Concentration ug/l
1040414-09	Carbon tetrachloride	0.59	5	*

ug/l = Micrograms of contaminant per liter of water.

*Not applicable

Harmon Environmental, PA
Attn: Rick Harmon
615 Bruce Thomas Rd.
Monroe, NC 28112

Project: Myers Brothers

Project No.: 301
Sample Matrix: Water

Client Sample ID: 3140
Prism Sample ID: 1040414-09
Prism Work Order: 1040414
Time Collected: 04/18/11 14:24
Time Submitted: 04/19/11 10:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.070	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.075	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.068	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,1-Dichloroethane	BRL	ug/L	0.50	0.038	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,1-Dichloroethylene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,1-Dichloropropylene	BRL	ug/L	0.50	0.072	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,2,3-Trichlorobenzene	BRL	ug/L	0.50	0.12	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,2,3-Trichloropropane	BRL	ug/L	0.50	0.090	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,2,4-Trichlorobenzene	BRL	ug/L	0.50	0.15	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,2-Dibromoethane	BRL	ug/L	0.50	0.041	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,2-Dichloroethane	BRL	ug/L	0.50	0.054	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,2-Dichloropropane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.038	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.070	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,3-Dichloropropane	BRL	ug/L	0.50	0.054	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
2,2-Dichloropropane	BRL	ug/L	2.0	0.27	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
2-Chlorotoluene	BRL	ug/L	0.50	0.038	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
4-Chlorotoluene	BRL	ug/L	0.50	0.053	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
4-Isopropyltoluene	BRL	ug/L	0.50	0.059	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Acetone	BRL	ug/L	10	1.5	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Benzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Bromobenzene	BRL	ug/L	0.50	0.088	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Bromochloromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Bromodichloromethane	BRL	ug/L	0.50	0.031	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Bromoform	BRL	ug/L	0.50	0.10	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Bromomethane	BRL	ug/L	1.0	0.24	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Carbon Tetrachloride	0.52	ug/L	0.50	0.065	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Chlorobenzene	BRL	ug/L	0.50	0.025	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Chloroethane	BRL	ug/L	0.50	0.088	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Chloroform	BRL	ug/L	0.50	0.053	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Chloromethane	BRL	ug/L	0.50	0.032	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.065	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Dibromochloromethane	BRL	ug/L	0.50	0.062	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Dibromomethane	BRL	ug/L	0.50	0.044	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Dichlorodifluoromethane	BRL	ug/L	1.0	0.057	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Ethanol	BRL	ug/L	200	42	1	SM6200 B	4/28/11 0:35	MGB	P1D0515

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Full-Service Analytical &
Environmental Solutions

Laboratory Report

05/09/2011

Harmon Environmental, PA
Attn: Rick Harmon
615 Bruce Thomas Rd.
Monroe, NC 28112

Project: Myers Brothers
Project No.: 301
Sample Matrix: Water

Client Sample ID: 3140
Prism Sample ID: 1040414-09
Prism Work Order: 1040414
Time Collected: 04/18/11 14:24
Time Submitted: 04/19/11 10:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Hexachlorobutadiene	BRL	ug/L	2.0	0.41	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Isopropyl Ether	BRL	ug/L	0.50	0.042	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.034	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
m,p-Xylenes	BRL	ug/L	1.0	0.11	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	1.0	0.11	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.83	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Methyl Isobutyl Ketone	BRL	ug/L	1.0	0.048	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Methylene Chloride	BRL	ug/L	2.0	0.073	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.056	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Naphthalene	BRL	ug/L	1.0	0.094	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
n-Butylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
n-Propylbenzene	BRL	ug/L	0.50	0.059	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
o-Xylene	BRL	ug/L	0.50	0.064	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
sec-Butylbenzene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Styrene	BRL	ug/L	0.50	0.034	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
tert-Butylbenzene	BRL	ug/L	0.50	0.11	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Tetrachloroethylene	BRL	ug/L	0.50	0.096	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Toluene	BRL	ug/L	0.50	0.057	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.061	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.054	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Trichloroethylene	BRL	ug/L	0.50	0.044	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Trichlorofluoromethane	BRL	ug/L	0.50	0.050	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Vinyl acetate	BRL	ug/L	5.0	1.3	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Vinyl chloride	BRL	ug/L	0.50	0.068	1	SM6200 B	4/28/11 0:35	MGB	P1D0515
Xylenes, total	BRL	ug/L	1.5	0.17	1	SM6200 B	4/28/11 0:35	MGB	P1D0515

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	86 %	70-130
Dibromofluoromethane	118 %	70-130
Toluene-d8	88 %	70-130

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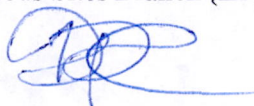
449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Page 21 of 37

May 16, 2011

MEMORANDUM

TO: Hanna Assefa, Industrial Hygienist
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

FROM: Donna DeCarlo, Hydrogeologist
Superfund Section, IHSB 

RE: Health Risk Evaluation Request
3140 Woodleaf Road, Salisbury
Rowan County, NC

This sample was collected on April 18, 2011 from a potable water supply well located at the referenced location. The sample was collected by Rick Harmon of Harmon Environmental, PA for a UST incident sampling event at the Myers Brothers Gin site, also IHSB Incident #NONCD0002110.

Because the sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well owner/user. The following table summarizes the detected chemical and the corresponding concentration. The laboratory analytical report for the sample is attached.

Chemical	Units	Concentrations
<i>Volatile Organics</i>		
Carbon tetrachloride	Micrograms per Liter (µg/L)	0.59

If you have any questions please let me know.

Attachment Laboratory analytical report

NC DWO Laboratory Section Results

TRIP BLANK

County: **ROWAN**
 River Basin
 Report To: **MROSP**
 Collector: **M ALVALLE**
 Region: **MRO**
 Sample Matrix: **GROUNDWATER**
 Loc. Type: **TRIP BLANK**
 Emergency Yes/No
 COC Yes/No **YES**

RECEIVED

MAY 2 2011

NC DENR MRO IHSB



Sample ID: **AB70284**
 PO Number #: **11G0265**
 Date Received: **04/13/2011**
 Time Received: **08:30**
 Labworks LoginID: **DLEAVITT**
 Report Generated: **4/28/11**
 Date Reported: **04/28/2011**

VHS

4-28-11

DATE: 4-28-11

REVISED

REPORT

INITIALS: DLR

VisitID

Loc. Descr: **MRO**

Location ID: **WOODLEAFANDRIDGE_TB**

Collect Date: **04/11/2011**

Collect Time: **15:40**

Sample Depth

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
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LAB

Sample temperature at receipt by lab	0.9	°C				4/13/11	DLEAVITT
--------------------------------------	-----	----	--	--	--	---------	----------

VOL

	Volatile Organics in liquid		_TITLE_	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected J2	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: WOODLEAFANDRIDGE_TB

Sample ID: AB70284

Collect Date: 04/11/2011

Collect Time: 15:40

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
VOC'S BY GC/MS		1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER

Sample Comments

VOL: J2 - 1 of 17 analytes failed < LCL in LCS - QC.

WOODLEAF AND RIDGE - TB

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTION

Location code WOODLEAF & RIDGE - TB

County ROWAN

Quad No. _____ Serial No. _____

Lat. _____ Long. _____

Report To: ARO, FRO, MRO, RRO, WaRO, WIRO,

WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): M. ALVALLE / T. BEVERLY Date 4-11-11 Time 15:40 Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust,
Other: _____ (circle one)

FIELD ANALYSES

pH 400 Spec. Cond. 94 at 25°C

Temp. 10 °C Odor None

Appearance Clear

Field Analysis By: NA

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

SAMPLE PRIORITY

☐ Routine
☐ Emergency

SAMPLE TYPE

☒ Water
☐ Soil
☐ Other
☒ Chain of Custody

1

Lab Number 116 0265 AB70284

Date Received 4-13-11 Time: 0830

Rec'd By: Hpm From: Bus, Courier, Hand Del.,

Other: _____

Data Entry By: _____ Ck: _____

Date Reported: _____

Owner MRO

Location or Site TRIP BLANK (MRO - DEERPARK WATER)

Description of sampling point BOTTLE WATER

Sampling Method GRAB (Pump, bailer, etc.)

Remarks _____

Sample Interval _____

(Pumping time, air temp., etc.)

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
XX Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>09</u>

Lab Comments _____

**NC DENR/DWQ Laboratory
Sample Anomaly Report (SAR)**

Report to: MROSP

Lab Number: AB70284, AB70285

Sample ID: 11G0265, 11G0266

Station: WOODLEAFANDRIDGE_TB,
WOODLEAFANDRIDGE_3140

County: ROWAN

Region: MRO

Sample Type: WATER

Priority: COC

Collector: M.ALVALLE /
T.BEVERLY

Date collected: 4/11/11, 4/12/11

Date received: 4/13/11

Date analyzed: 4/13/11

Affected Parameter(s): VOLATILES

Analytical Area (check one):

☐ WCH ☐ METALS ☒ VOA ☐ SVOA
☐ NUT ☐ MICRO ☐ PEST

The following anomalies occurred (check all that apply):

☐ **Samples**

- ☐ Improper container used
- ☐ VOA vials with headspace
- ☐ Sulfide samples with headspace
- ☐ Samples not received, but listed on fieldsheet
- ☐ Samples received, but not listed on fieldsheet
- ☐ Mislabelled as to tests, preservatives, etc.
- ☐ Holding time expired
 - ☐ Prior to receipt in lab
 - ☐ After receipt in lab
- ☐ Insufficient quantity for analysis
- ☐ Sample exhibits gross non-homogeneity
- ☐ Sample not chemically preserved properly
 - ☐ pH out of range (record pH):
 - ☐ Improper chemical
- ☐ Residual chlorine present in sample
- ☐ Color interference
- ☐ Heavy emulsion formed during extraction
- ☐ Sample bottle broken in lab - no reportable results

☐ Other (specify):

☒ **Quality Control**

- ☐ Instrument failure - no reportable results
- ☐ Analyst error - no reportable results
- ☐ Surrogates
 - ☐ None added
 - ☐ Recovery outside acceptance limits
- ☐ Spike recovery
 - ☐ None added
 - ☐ Recovery outside acceptance limits
- ☐ Failed to meet criteria for precision
- ☐ Internal standards
- ☐ Blank contamination
- ☒ QC data reported outside of controls (e.g., QCS, LCS)
- ☐ Incorrect procedure used
- ☐ SOP intentionally modified with QA and Branch Head approval
- ☐ Invalid instrument calibration
- ☐ Elevated detection limits due to:
 - ☐ Insufficient sample volume

Comments: 1 of 17 analytes failed < LCL in LCS - QC.

Corrective Action:

- ☐ Samples were rejected by DWQ Lab. Authorized by: _____ Date: _____
- ☐ Accepted and analyzed after notifying the collector or contact person and determining that another sample could not be secured.
- ☐ Sample(s) on hold until: _____
- ☒ Sample reported with qualification. Data qualification code used: J2
- ☐ Other (explain): _____
- Notification Required? ☐ Yes ☐ No
- Person Contacted: _____ Date: _____

Form completed by: Victor Andrews  Date: 4/14/2011

Lead Chemist Review (initial):

☐ BIOCHEM _____
☐ METALS _____

☐ PEST _____
☒ VOA AF

☐ SVOA _____

Branch Head Review (initial): AKC
QC Review (initial): [Signature]

Logged into database by (initial): RB 4-28-2011

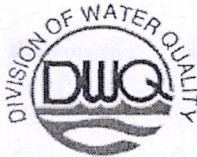
NC DWO Laboratory Section Results

County: **ROWAN**
 River Basin
 Report To: **MROAP**
 Collector: **M ALVALLE**
 Region: **MRO**
 Sample Matrix: **GROUNDWATER**
 Loc. Type: **WATER SUPPLY**
 Emergency Yes/No
 COC Yes/No **YES**

NC DENR MRO IHSB

APR 25 2011

RECEIVED



✓ Hpm
4.21.2011

Sample ID: **AB70285**
 PO Number #: **11G0266**
 Date Received: **04/13/2011**
 Time Received: **08:30**
 Labworks LoginID: **DLEAVITT**
 Report Generated: **4/20/11**
 Date Reported: **04/20/2011**

VisitID

Loc. Descr.: **REED 3140 WOODLEAF**

Location ID: WOODLEAFANDRIDGE	Collect Date: 04/12/2011	Collect Time: 13:10	Sample Depth
--------------------------------------	---------------------------------	----------------------------	--------------

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		0.9	°C		4/13/11	DLEAVITT
VOL							
	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
67-66-3	Chloroform	0.25	0.22 N3	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected J2	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	0.29	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: **WOODLEAFANDRIDGE**

Sample ID: **AB70285**

Collect Date: **04/12/2011**

Collect Time: **13:10**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER

Sample Comments

VOL: J2 - 1 of 17 analytes failed < LCL in LCS - QC.

WOODLEAF AND RIDGE

COC

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code WOODLEAF & RIDGECounty ROWAN

Quad No. _____ Serial No. _____

Lat. _____ Long. _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,

WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____ Purpose: _____

Collector(s): M. ALVALLE / T. BEVERLY Date 4-12-11 Time 1:30 Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH 4.00 Spec. Cond. 94 at 25°CTemp. 10 °C Odor NoneAppearance clearField Analysis By: M. Alvalle

LABORATORY ANALYSES

LABORATORY ANALYSES		(Pumping time, air temp., etc.)	
BOD 310	mg/L	Diss. Solids 70300	mg/L
COD High 340	mg/L	Fluoride 951	mg/L
COD Low 335	mg/L	Hardness: Total 900	mg/L
Coliform: MF Fecal 31616	/100ml	Hardness (non-carb) 902	mg/L
Coliform: MF Total 31504	/100ml	Phenols 32730	ug/l
TOC 680	mg/L	Specific Cond. 95	µMhos/cm
Turbidity 76	NTU	Sulfate 945	mg/L
Residue, Total Suspended 530	mg/L	Sulfide 745	mg/L
		Oil and Grease	mg/L
pH 403	units		
Alkalinity to pH 4.5 410	mg/L		
Alkalinity to pH 8.3 415	mg/L		
Carbonate 445	mg/L	NH ₃ as N 610	mg/L
Bicarbonate 440	mg/L	TKN as N 625	mg/L
Carbon dioxide 405	mg/L	NO ₂ + NO ₃ as N 630	mg/L
Chloride 940	mg/L	P: Total as P 665	mg/L
Chromium: Hex 1032	ug/L	Nitrate (NO ₃ as N) 620	mg/L
Color: True 80	CU	Nitrite (NO ₂ as N) 615	mg/L
Cyanide 720	mg/L		
		Ag-Silver 46566	ug/L
		Al-Aluminum 46557	ug/L
		As-Arsenic 46551	ug/L
		Ba-Barium 46558	ug/L
		Ca-Calcium 46552	mg/L
		Cd-Cadmium 46559	ug/L
		Cr-Chromium 46559	ug/L
		Cu-Copper 46562	ug/L
		Fe-Iron 46563	ug/L
		Hg-Mercury 71900	ug/L
		K-Potassium 46555	mg/L
		Mg-Magnesium 46554	mg/L
		Mn-Manganese 46565	ug/L
		Na-Sodium 46556	mg/L
		Ni-Nickel	ug/L
		Pb-Lead 46564	ug/L
		Se-Selenium	ug/L
		Zn-Zinc 46567	ug/L
		Organochlorine Pesticides	
		Organophosphorus Pesticides	
		Nitrogen Pesticides	
		Acid Herbicides	
		PCBs	
		Semivolatile Organics	
		TPH-Diesel Range	
		XX Volatile Organics (VOA bottle)	
		TPH-Gasoline Range	
		TPH-BTEX Gasoline Range	
		LAB USE ONLY	
		Temperature on arrival (°C):	0.9

Lab Comments _____

County: ROWAN
 River Basin
 Report To: MROSP
 Collector: M ALVALLE
 Region: MRO
 Sample Matrix: GROUNDWATER
 Loc. Type: TRIP BLANK
 Emergency Yes/No
 COC Yes/No YES

RECEIVED

APR 29 2011

NCDENR MRO IHSB



VisitID

Loc. Descr.: MRO

Sample ID: AB70284
 PO Number #: 11G0265
 Date Received: 04/13/2011
 Time Received: 08:30
 Labworks LoginID: DLEAVITT
 Report Generated: 4/28/11
 Date Reported: 04/28/2011

✓WPS
 4-28-11

Location ID: WOODLEAFANDRIDGE_TBCollect Date: 04/11/2011Collect Time: 15:40

Sample Depth

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		0.9	°C		4/13/11	DLEAVITT

VOL

	Volatile Organics in liquid		_TITLE_	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected J2	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER

NC DWQ Laboratory Section Results

Location ID: WOODLEAFANDRIDGE_TB

Sample ID: AB70284

Collect Date: 04/11/2011

Collect Time: 15:40

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER
VOC'S BY GC/MS		1	Not detected	ug/L	EPA5030/624/8260	4/13/11	ACHANDLER

Sample Comments

VOL: J2 - 1 of 17 analytes failed < LCL in LCS - QC.

WOODLEAF AND RIDGE - TB

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code WOODLEAF & RIDGE - TB

SAMPLE TYPE

- ☒
- Water
-
- ☐
- Soil
-
- ☐
- Other

☒ Chain of Custody

SAMPLE PRIORITY

- ☐
- Routine
-
- ☐
- Emergency

1

Lab Number 116-0265 AB70284
Date Received 4.13.11 Time: 0830
Rec'd By: Hpr From: Bus, Courier, Hand Del.
Other: _____
Data Entry By: _____ Ck: _____
Date Reported: _____Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____Shipped by: Bus, Courier, Hand Del., Other: _____ Purpose: _____Collector(s): M.ALVALLE / T.BEVERLY Date 4-11-11 Time 15:40 Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust,
Other: _____ (circle one)

FIELD ANALYSES

pH 4.00 Spec. Cond. 94 at 25°CTemp. 10 °C Odor NoneAppearance ClearField Analysis By: NAOwner MROLocation or Site TRIP BLANK (MRO - DEERPARK WATER)Description of sampling point BOTTLE WATERSampling Method GRAB

Sample Interval _____

Remarks _____ (Pump, bailer, etc.)

LABORATORY ANALYSES

(Pumping time, air temp., etc.)

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
XX Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>09</u>

Lab Comments _____



COPY

North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management

Beverly Eaves Perdue, Governor
Dee Freeman, Secretary

April 28, 2011

Bobby Reed
3140 Woodleaf Road
Salisbury, NC 28147

Re: Health Risk Evaluation
Residential Water Supply Well Sampling Results
3140 Woodleaf Road
Salisbury, Rowan County, North Carolina

Dear Mr. Reed:

On April 12, 2011, Mr. Miguel Alvalle of the Mooresville Regional Office collected a water sample from your residential supply well. The sample was submitted to the NCDENR central laboratory in Raleigh for analysis for Volatile Organic Compounds (VOCs). VOCs include a variety of man-made chemicals used in industrial and household products, including solvents, degreasers, gasoline additives, and water treatment systems. A copy of the laboratory analytical report is attached. The report indicates that two VOCs were identified at concentrations exceeding their respective Practical Quantitation Limits (PQLs). The PQL is the concentration that must be present for the lab to accurately determine the concentration. Carbon Tetrachloride was reported at a concentration of 0.29 micrograms per litre ($\mu\text{g/L}$). Carbon tetrachloride has been used as a drycleaning solvent, in fire extinguishers, degreasers, and pesticides but is no longer used in the United States. Chloroform was reported at a concentration of 0.22 $\mu\text{g/L}$. The most common use of chloroform is in water treatment for drinking water supplies and swimming pools, but it also forms as a breakdown product of Carbon Tetrachloride. No other VOCs were reported in the sample above their respective PQLs. The reported concentrations were below State of NC and Federal standards for drinking water, but because potentially harmful VOCs were detected in the sample, a request for a Health Risk Evaluation (HRE) was submitted to a toxicologist for a recommendation on the use of the water from your well. A copy of the HRE is attached to this letter. It states that your well water can be used for all household purposes.

IHSB is continuing efforts to determine the source of these and other chemicals in area groundwater, and will plan to sample your well again in the future. If you have any questions, please email me at donna.decarlo@ncdenr.gov, or call me at (704) 235-2166.

Sincerely,

A handwritten signature in cursive script, appearing to read "Donna Marie DeCarlo".

Donna Marie DeCarlo, Hydrogeologist
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch

Attachments: Laboratory Analytical Report, Health Risk Evaluation

Cc: Myers Brothers Gin file, IHSB #NONCD 000 2110



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

February 14, 2011

CERTIFIED MAIL
Return Receipt Requested

Bret and Susan Watson
3150 Woodleaf Road
Salisbury, NC 28081

Re: Water Filtration System
3150 Woodleaf Road

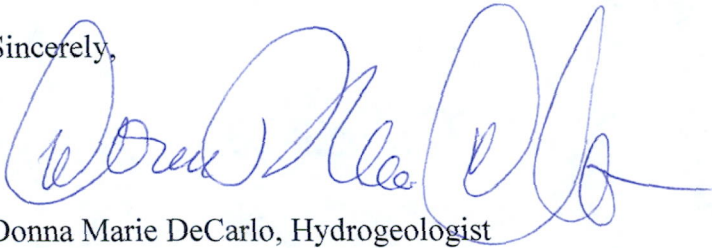
Dear Mr. and Mrs. Watson:

Due to contamination detected in your drinking water supply well at concentrations exceeding safe levels for human consumption and because public water is not available in your area or is not available at a reasonable cost, the Inactive Hazardous Sites Branch ("Branch") of the North Carolina Division of Waste Management's Superfund Section is offering to pay for the installation of a water filtration system (system) at your residence. The water filtration system would be designed to remove contaminants detected in your drinking water supply well. The Branch will pay for all future testing, maintenance and costs associated with the system as long as there is sufficient money available in the Branch's cleanup fund or until public water service becomes available. The Branch will use its contractors to conduct this work.

If the Branch is unable to fund continued operation of the system in the future or the current owner of the property refuses assistance with maintenance of the water filtration system, the Branch may file a "Notice of Inactive Hazardous Substance or Waste Disposal Site" ("Notice") for your property in the Rowan County Register of Deeds' office in accordance with § 130A-310.8 of the Inactive Hazardous Sites Act. The purpose of the Notice is to notify any prospective purchaser of the property of the groundwater contamination in your drinking water supply well. The Branch would prepare the Notice and record it and pay for the preparation and recording of the Notice. This Notice would not relieve you, or a subsequent owner, of your responsibilities to disclose this contamination to any purchasers of the property in accordance with the Residential Property Disclosure Act § 47E et.seq.

You will need to send a written response to our office by the close of business on the 30th day following your receipt of this letter. As soon as we receive your written agreement of this offer, the Branch can move forward with organizing and mobilizing the necessary resources to implement installation of the system at your property. Please send your written response to my attention at the address below. If you have any questions concerning this issue, please call me at (704) 235-2166, or email me at **donna.decarlo@ncdenr.gov**.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Donna Marie DeCarlo', with a stylized flourish at the end.

Donna Marie DeCarlo, Hydrogeologist

Inactive Hazardous Sites Branch
Superfund Section
North Carolina Department of Environment and Natural Resources
610 East Center Avenue, Suite 301
Mooresville, NC 28115

cc: Dawn T. Mistretta, Esq.
Strauch Fitzgerald & Green, P.C.
118 South Cherry Street
Winston-Salem, NC 27101



COPY

North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

September 16, 2010

Bret and Susan Watson
4150 Woodleaf Road
Salisbury, NC 28081

Re: **APPLICATION FORM FOR BERNARD ALLEN MEMORIAL EMERGENCY DRINKING WATER FUND**

Woodleaf & Ridge PCE
Salisbury, Rowan County
IHSB # Pending

Dear Mr. and Mrs. Watson:

On September 15, 2010, I spoke with you to discuss options for providing an acceptable water supply to your residence. Volatile Organic Compounds (VOCs) were detected in your residential water supply well at concentrations above federal drinking water standards. Based on recent sampling events over the past summer, your well appears to be the only one in the area that exceeds federal drinking water standards.

In general, the preferred alternate drinking water source is a municipal water supply. I will be requesting an estimated cost from the City of Salisbury for connecting your residence to the nearest municipal water line. However, in this case, the size of, and distance to, the nearest municipal supply line makes it unlikely that this will be a cost-effective option. The installation of a Point of Entry (POE) system on the well supplying water to your residence appears to be a good alternative. A POE system can be used to remove VOCs from your well water before it enters the supply system in your house. It is my understanding that you are willing to have a POE system installed. We also discussed other requirements that may apply, including recording your property as contaminated, paying a portion of the cost for the system, and, after one year, assuming maintenance costs for the system.

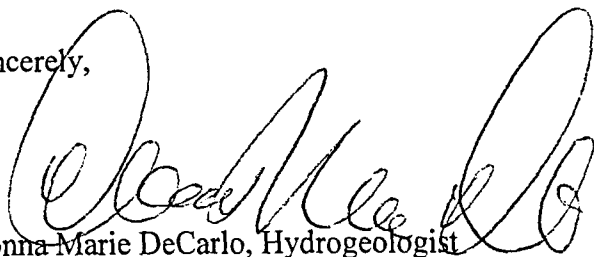
The Bernard Allen Memorial Fund was created to provide limited funds to assist in providing alternate water to residential locations where the well water has been rendered non-potable due to groundwater contamination. There are several conditions that must be met for a site to receive assistance from the fund. One of the conditions is that a resident's gross family income cannot exceed three times the federal poverty guidelines. The enclosed financial Affidavit should be completed, signed and returned to me. The Affidavit should be based on your 2009 tax return. The second page can be used if necessary to document any changes in your

Bret and Susan Watson
September 16, 2010
Page 2 of 2

financial status since your 2009 return, or provide additional details that might apply to your situation. The Affidavit must be notarized. This information will assist NCDENR in determining if your residence meets the qualifications necessary to access the Bernard Allen fund to install a POE system. You previously indicated that you would consider connecting to a municipal water supply if it were available. This Affidavit can also be used to determine if you are eligible to access the fund for a municipal water connection if that is determined to be a cost-effective option.

Due to the number of sites throughout the state with impacted supply wells, there is a great deal of competition for the Bernard Allen Funds. Your timely response would be greatly appreciated. If you have additional questions about the requirements that apply to your site, please contact Bruce Parris at (704) 235-2185, or me at (704) 235-2166.

Sincerely,

A handwritten signature in black ink, appearing to read 'Donna Marie DeCarlo', written over a horizontal line.

Donna Marie DeCarlo, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section
610 East Center Avenue, Suite 301
Mooresville, NC 28115

Enclosure: Bernard Allen Affidavit with page for additional details

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

IN THE MATTER OF: Bernard Allen Memorial Emergency Drinking Water Fund
Eligibility by (Name) _____

UNDER THE AUTHORITY OF) AFFIDAVIT
NORTH CAROLINA GENERAL) RE: Household Income Verification
STATUTES § 87-98)

(Name) _____, being duly sworn, hereby deposes and says:

1. I am/we are the owner of property generally referred to as: _____ (address),
_____ (City), _____ County, North Carolina.
2. I am/we are applying for eligibility under the North Carolina General Statute (N.C.G.S.) § 87-98
(Bernard Allen Memorial Emergency Drinking Water Fund) for an alternate water supply for the
property generally referred to as: _____ (address),
_____ (City), _____ County, North Carolina.
3. I/We hereby certify, under the pains and penalties of perjury, that I/We meet the eligibility
requirements of N.C.G.S. § 87-98(c), in that my/our household gross income for calendar year 2009
is not greater than three hundred percent (300%) of the current federal poverty guidelines determined
by the US Department of Health and Human Services, as listed below:

2009 Poverty Guidelines for the 48 Contiguous States and the District of Columbia

Persons in family	Poverty guideline
1.....	\$10,830
2.....	14,570
3.....	18,310
4.....	22,050
5.....	25,790
6.....	29,530
7.....	33,270
8.....	37,010

For families with more than 8 persons, add \$3,740 for each additional person.

4. I hereby certify, under the pains and penalties of perjury, that I/we have not caused or contributed to
the groundwater contamination resulting in the need to seek eligibility for use of the Bernard Allen
Memorial Drinking Water Fund. .

Affiant further saith not.

Signature/Printed Name

Date

Sworn to and subscribed before me

this _____ day of _____, 20__.

Notary Public

My commission expires: _____

(SEAL)

Please list any additional special circumstances impacting the family's listed annual income:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.

Date _____



COPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

September 3, 2010

Gary Basinger and Debbie Barnhardt
P O Box 415
Spencer, North Carolina 28159-0415

Re: **Water Supply Well Sample, 325 Victoria Street, Salisbury, Rowan County, North Carolina**
Parcel IDs: 328 066 and 328 100

Dear Mr. Basinger and Ms. Barnhardt:

On August 17, 2010, I collected a sample from your potable water well. The sample was analyzed for a group of contaminants known as Volatile Organic Compounds (VOCs). VOCs include a variety of chemicals associated with solvents and petroleum products, which were our primary concern for this sampling event. The analysis conducted did not include substances other than VOCs that may occur naturally in groundwater or as a result of human activity, such as metals, nitrates, agricultural chemicals, and bacteria. A copy of the report for your well is enclosed.

The report states that no VOCs were detected in the sample at concentrations above their respective practical quantitation limit (PQL). The PQL is the concentration that must be present in the sample for the laboratory to reliably measure it. The PQLs for this sample were below applicable state and federal regulatory limits for VOCs in drinking water. If you have any questions about the sampling or lab report please email or write to me at the address below, or call me at (704) 663-1699. Thank you for your assistance and cooperation with this project.

Sincerely,

Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov


Enclosure: laboratory report
cc: Rowan County Health Dept.

610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

An Equal Opportunity \ Affirmative Action Employer

One
North Carolina
Naturally

NC DWO Laboratory Section Results

County: ROWAN	<div style="writing-mode: vertical-rl; transform: rotate(180deg);">RECEIVED</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">SEP 1 2010</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">NCDENR MRO IHS</div>	 <div style="position: absolute; top: 0; right: 0;"> <i>✓ Hpm</i> <i>8.30.2010</i> </div>	Sample ID: AB62267
River Basin			PO Number #: 10G0533
Report To: MROAP			Date Received: 08/18/2010
Collector: D DECARLO			Time Received: 08:15
Region: MRO			Labworks LoginID: SMATHIS
Sample Matrix: GROUNDWATER			Report Generated: 8/27/10
Loc. Type: WATER SUPPLY			Date Reported: 08/27/2010
Emergency Yes/No			
COC Yes/No: YES	VisitID		
Loc. Descr.: GARY BASINGER			

Location ID: NONCD0002110	Collect Date: 08/17/2010	Collect Time: 14:10	Sample Depth
----------------------------------	---------------------------------	----------------------------	--------------

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		2.7	°C		8/19/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110** Sample ID: **AB62267** Collect Date: **08/17/2010** Collect Time: **14:10**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code NONCD 000 2012110County Rowen

Quad No. _____ Serial No. _____

Lat. _____ Long. _____

SAMPLE TYPE

☒ Water☐ Soil☐ Other☒ Chain of Custody

SAMPLE PRIORITY

☒ Routine☐ EmergencyReport To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____Shipped by: Bus, Courier, Hand Del., Other: _____Collector(s): _____ Date 7/17/2010 Time 1410 Purpose: _____

FIELD ANALYSES

pH 400 _____ Spec. Cond. 94 _____ at 25°CTemp. 10 _____ °C Odor noneAppearance clear, colorlessField Analysis By: Donna De Cola

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>27</u>

Lab Comments _____



COPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

September 3, 2010

Mr. and Mrs. Callahan
1725 West Ridge Road
Salisbury, North Carolina 28147

Re: **Water Supply Well Sample, 1725 W Ridge Road, Salisbury, Rowan County, North Carolina**
Parcel ID: 328 B 056

Dear Mr. and Mrs. Callahan:

On August 17, 2010, I collected a sample from your potable water well. The sample was analyzed for a group of contaminants known as Volatile Organic Compounds (VOCs). VOCs include a variety of chemicals associated with solvents and petroleum products, which were our primary concern for this sampling event. The analysis conducted did not include substances other than VOCs that may occur naturally in groundwater or as a result of human activity, such as metals, nitrates, agricultural chemicals, and bacteria. A copy of the report for your well is enclosed.

The report states that no VOCs were detected in the sample at concentrations above their respective practical quantitation limit (PQL). The PQL is the concentration that must be present in the sample for the laboratory to reliably measure it. The PQLs for this sample were below applicable state and federal regulatory limits for VOCs in drinking water. If you have any questions about the sampling or lab report please email or write to me at the address below, or call me at (704) 663-1699. Thank you for your assistance and cooperation with this project.

Sincerely,

Donna Marie DeCarlo

Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosure: laboratory report
cc: Rowan County Health Dept.

610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

An Equal Opportunity \ Affirmative Action Employer

One
North Carolina
Naturally

NC DHEC Laboratory Section Results

County: ROWAN	Sample ID: AB62268
River Basin	PO Number #: 10G0534
Report To: MROAP	Date Received: 08/18/2010
Collector: D DECARLO	Time Received: 08:15
Region: MRO	Labworks LoginID: SMATHIS
Sample Matrix: GROUNDWATER	Report Generated: 8/27/10
Loc. Type: WATER SUPPLY	Date Reported: 08/27/2010
Emergency Yes/No	
COC Yes/No: YES	
Loc. Descr.: RICHARD & SANDRA CALLAHAN	
Location ID: NONCD0002110	Collect Date: 08/17/2010
Collect Time: 15:12	Sample Depth

RECEIVED

SEP 1 2010

NC DENR MRO IHS


 ✓ HPM
 8.30.2010

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB	Sample temperature at receipt by lab		2.7	°C		8/19/10	SMATHIS
VOL	Volatile Organics in liquid		_TITLE_	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER

Laboratory Section >> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110**

Sample ID: **AB62268**

Collect Date: **08/17/2010**

Collect Time: **15:12**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code NONCD 000 2110County RowanQuad No. Serial No. Lat. Long.

SAMPLE TYPE

- ☒
- Water
-
- ☐
- Soil
-
- ☐
- Other

☒ Chain of Custody

SAMPLE PRIORITY

- ☒
- Routine
-
- ☐
- Emergency

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: Shipped by: Bus, Courier, Hand Del., Other: Collector(s): Date 8/17/2010 Time 1512

Purpose:

FIELD ANALYSES

pH ₄₀₀ Spec. Cond. ₉₄ at 25°CTemp. ₁₀ °C Odor noneAppearance clear, colorlessField Analysis By: D. DeCarlo

LABORATORY ANALYSES

Owner Richard & Sandra Callahan (circle one)Location or Site 1725 West Ridge SalisburyDescription of sampling point hose bib on foundationSampling Method pumpRemarks pumped 15 min. - unknown if filtered

(Pumping time, air temp., etc.)

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color, True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides

Organophosphorus Pesticides

Nitrogen Pesticides

Acid Herbicides

PCBs

Semivolatile Organics

TPH-Diesel Range

☒ Volatile Organics (VOA bottle)

TPH-Gasoline Range

TPH-BTEX Gasoline Range

LAB USE ONLY

Temperature on arrival (°C): 21.7Lab Comments



COPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

September 3, 2010

Mr. Stephen Meyers
260 Victoria Street
Salisbury, North Carolina 28147

Re: **Water Supply Well Sample, 260 Victoria Street, Salisbury, Rowan County, North Carolina**
Parcel ID: 328B 113

Dear Mr. Meyers:

On August 17, 2010, I collected a sample from your potable water well. The sample was analyzed for a group of contaminants known as Volatile Organic Compounds (VOCs). VOCs include a variety of chemicals associated with solvents and petroleum products, which were our primary concern for this sampling event. The analysis conducted did not include substances other than VOCs that may occur naturally in groundwater or as a result of human activity, such as metals, nitrates, agricultural chemicals, and bacteria. A copy of the report for your well is enclosed.

The report states that no VOCs were detected in the sample at concentrations above their respective practical quantitation limit (PQL). The PQL is the concentration that must be present in the sample for the laboratory to reliably measure it. The PQLs for this sample were below applicable state and federal regulatory limits for VOCs in drinking water. If you have any questions about the sampling or lab report please email or write to me at the address below, or call me at (704) 663-1699. Thank you for your assistance and cooperation with this project.

Sincerely,

Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosure: laboratory report
cc: Rowan County Health Dept.

610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

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North Carolina
Naturally

NC DWO Laboratory Section Results

County: ROWAN	Sample ID: AB62265
River Basin	PO Number #: 10G0531
Report To: MROAP	Date Received: 08/18/2010
Collector: D DECARLO	Time Received: 08:15
Region: MRO	Labworks LoginID: SMATHIS
Sample Matrix: GROUNDWATER	Report Generated: 8/27/10
Loc. Type: WATER SUPPLY	Date Reported: 08/27/2010
Emergency Yes/No	
COC Yes/No: YES	
VisitID	
Loc. Descr.: STEVE MEYERS	
Location ID: NONCD0002110	Collect Date: 08/17/2010
Collect Time: 12:49	Sample Depth

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		2.7	°C		8/19/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110**

Sample ID: **AB62265**

Collect Date: **08/17/2010**

Collect Time: **12:49**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTION

Location code NONCD 000 2110
County Rowan
Quad No — Serial No. —
Lat. — Long. —

SAMPLE TYPE	SAMPLE PRIORITY
<input checked="" type="checkbox"/> Water	<input checked="" type="checkbox"/> Routine
<input type="checkbox"/> Soil	<input type="checkbox"/> Emergency
<input type="checkbox"/> Other	
<input checked="" type="checkbox"/> Chain of Custody	

5

10G0531
Lab Number AB67265
Date Received 8-18-10 Time: 8:15
Rec'd By: MP From: Bus, Courier, Hand Del.,
Other: —
Data Entry By: — Ck: —
Date Reported: —

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: —

Shipped by: Bus, Courier, Hand Del., Other: — Purpose: —

Collector(s): D. DeCarlo Date 8/17/2010 Time 1249 Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: —

FIELD ANALYSES

pH ₄₀₀ — Spec. Cond. ₉₄ — at 25°C
Temp. ₁₀ — °C Odor none

Appearance clear, colorless

Field Analysis By: D. DeCarlo

Owner Steve Meyers
Location or Site 260 Victoria Salisbury
(circle one)

Description of sampling point spigot on well head

Sampling Method pump

Remarks purged 15 min. (Pump, bailer, etc.)

Sample Interval —

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31818	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>2.7</u>

Lab Comments —



COPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

September 3, 2010

Mr. Scott Lee Parish
225 Victoria Street
Salisbury, North Carolina 28147

Re: **Water Supply Well Sample, 225 Victoria Street, Salisbury, Rowan County, North Carolina**
Parcel ID: 328B 044

Dear Mr. Parish:

On August 17, 2010, I collected a sample from your potable water well. The sample was analyzed for a group of contaminants known as Volatile Organic Compounds (VOCs). VOCs include a variety of chemicals associated with solvents and petroleum products, which were our primary concern for this sampling event. The analysis conducted did not include substances other than VOCs that may occur naturally in groundwater or as a result of human activity, such as metals, nitrates, agricultural chemicals, and bacteria. A copy of the report for your well is enclosed.

The report states that no VOCs were detected in the sample at concentrations above their respective practical quantitation limit (PQL). The PQL is the concentration that must be present in the sample for the laboratory to reliably measure it. The PQLs for this sample were below applicable state and federal regulatory limits for VOCs in drinking water. If you have any questions about the sampling or lab report please email or write to me at the address below, or call me at (704) 663-1699. Thank you for your assistance and cooperation with this project.

Sincerely,

Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosure: laboratory report
cc: Rowan County Health Dept.

610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

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NC DENR Laboratory Section Results

County: ROWAN	Sample ID: AB62266
River Basin	PO Number #: 10G0532
Report To: MROAP	Date Received: 08/18/2010
Collector: D DECARLO	Time Received: 08:15
Region: MRO	Labworks LoginID: SMATHIS
Sample Matrix: GROUNDWATER	Report Generated: 8/27/10
Loc. Type: WATER SUPPLY	Date Reported: 08/27/2010
Emergency Yes/No	
COC Yes/No YES	
VisitID	
Loc. Descr.: SCOTT LEE PARISH	

Location ID: NONCD0002110	Collect Date: 08/17/2010	Collect Time: 13:17	Sample Depth
----------------------------------	---------------------------------	----------------------------	--------------

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB	Sample temperature at receipt by lab		2.7	°C		8/19/10	SMATHIS
VOL	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110**

Sample ID: **AB62266**

Collect Date: **08/17/2010**

Collect Time: **13:17**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTION

Location code NONCD 000 2110

County Rowan

Quad No — Serial No. —

Lat. — Long. —

SAMPLE TYPE

- ☒ Water
☐ Soil
☐ Other
☒ Chain of Custody

SAMPLE PRIORITY

- ☒ Routine
☐ Emergency

6

1090532

Lab Number

1067266

Date Received 8-18-10 Time: 8:15

Rec'd By: mp From: Bus, Courier, Hand Del.
Other: —

Data Entry By: — Ck: —

Date Reported: —

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,

WSRO, Kinston FO, Fed. Trust, Central Off., Other: —

Shipped by: Bus, Courier, Hand Del., Other: — Purpose: —

Collector(s): Dennis DeClerk Date 8/17/2010 Time 1317 Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: —

FIELD ANALYSES

pH 400 Spec. Cond. 94 at 25°C

Temp. 10 °C Odor none

Appearance clear colorless

Field Analysis By: D. DeClerk

Owner Scott Lee Parish (circle one)

Location or Site 225 Victoria Salisbury

Description of sampling point spigot next to well

Sampling Method pump Sample Interval —

Remarks pumped 17 minutes (Pumping time, air temp., etc.)

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 78	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	uMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>21.7</u>

Lab Comments —



COPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

September 3, 2010

Phillip Keith Larsen and Debbie Lin Glover
270 Victoria Street
Salisbury, North Carolina 28147

Re: **Water Supply Well Sample, 270 Victoria Street, Salisbury, Rowan County, North Carolina**
Parcel ID: 328B 114

Dear Mr. Larsen and Ms. Glover:

On August 17, 2010, I collected a sample from your potable water well. The sample was analyzed for a group of contaminants known as Volatile Organic Compounds (VOCs). VOCs include a variety of chemicals associated with solvents and petroleum products, which were our primary concern for this sampling event. The analysis conducted did not include substances other than VOCs that may occur naturally in groundwater or as a result of human activity, such as metals, nitrates, agricultural chemicals, and bacteria. A copy of the report for your well is enclosed.

The report states that no VOCs were detected in the sample at concentrations above their respective practical quantitation limit (PQL). The PQL is the concentration that must be present in the sample for the laboratory to reliably measure it. The PQLs for this sample were below applicable state and federal regulatory limits for VOCs in drinking water. If you have any questions about the sampling or lab report please email or write to me at the address below, or call me at (704) 663-1699. Thank you for your assistance and cooperation with this project.

Sincerely,

Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov


Enclosure: laboratory report
cc: Rowan County Health Dept.

610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

An Equal Opportunity \ Affirmative Action Employer

One
North Carolina
Naturally

NC DWO Laboratory Section Results

County: ROWAN	<div style="writing-mode: vertical-rl; transform: rotate(180deg);"> RECEIVED SEP 1 2010 NC DENR MRO IHSS </div>	 <i>✓ Hpm</i> <i>8.30.2010</i>	Sample ID: AB62264
River Basin			PO Number #: 10G0530
Report To: MROAP			Date Received: 08/18/2010
Collector: D DECARLO			Time Received: 08:15
Region: MRO			Labworks LoginID: SMATHIS
Sample Matrix: GROUNDWATER			Report Generated: 8/27/10
Loc. Type: WATER SUPPLY			Date Reported: 08/27/2010
Emergency Yes/No			
COC Yes/No: YES			
VisitID			
Loc. Descr.: LARSEN / GLOVER			

Location ID: NONCD0002110	Collect Date: 08/17/2010	Collect Time: 12:33	Sample Depth
----------------------------------	---------------------------------	----------------------------	--------------

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		2.7	°C		8/19/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u> TITLE </u>	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110**

Sample ID: **AB62264**

Collect Date: **08/17/2010**

Collect Time: **12:33**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code NON CD 000 2110County RowanQuad No. Serial No. Lat. Long. Report To: ARO, FRO, MRO RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: Shipped by: Bus, Courier Hand Del., Other: Collector(s): Donna DeCarloDate 3/17/2010 Time 1233 Purpose:

FIELD ANALYSES

pH ₄₀₀ Spec. Cond. ₉₄ at 25°CTemp. ₁₀ °C Odor none observedAppearance clear, colorlessField Analysis By: D. DeCarlo

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

SAMPLE PRIORITY

☒ Routine
☐ Emergency

SAMPLE TYPE

☒ Water
☐ Soil
☐ Other☒ Chain of Custody

4

1090530

Lab Number Date Received 8-18-10 Time: 8:15Rec'd By: mp From: Bus, Courier, Hand Del.,
Other: Data Entry By: Ck: Date Reported: Owner Larsen / Glover Location or Site 270 Victoria, Salisbury
(circle one)Description of sampling point spigot on well headSampling Method pumpRemarks purged 15 minutes (Pump, bailer, etc.)Sample Interval

(Pumping time, air temp., etc.)

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>27</u>

Lab Comments



COPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

September 1, 2010

Mr. Carlton Myers
2725 Woodleaf Road
Salisbury, North Carolina 28147

Re: **Water-Supply Wells, Parcel 328 B 037**
Salisbury, North Carolina 28147

Dear Mr. Myers:

On August 23, 2010, the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Inactive Hazardous Site Branch (IHSB) sent you a letter stating that there was a "For Sale" sign observed on the referenced parcel during a recent visit to the area. Your son has stated that the sign was for an adjacent parcel, not the one owned by you. The sign was positioned such that this was not clear. I apologize for this misunderstanding, and any confusion that may have resulted.

However, the primary purpose of the August 23, 2010 letter was to notify you that IHSB has confirmed the presence of Volatile Organic Compounds (VOCs) in two water supply wells installed on Parcel 328 B 037, and to document that you, as the owner of record of Parcel 328 B 037, have been notified of this fact. IHSB provides notification to property owners of contamination on their property because, in accordance with the residential property disclosure act, it is your responsibility to disclose this contamination as part of the property sale if you sell it. You should also notify all current and future tenants of your property of the contamination in the wells located on your parcel.

The affected wells provide water to residences located at 3140 and 3150 Woodleaf Road. I was told that the wells are owned by the residents they serve, even though the land on which they were installed is not. Tetrachloroethene (PCE) was detected at a concentration of 11 micrograms per liter ($\mu\text{g/l}$) in a sample collected May 25, 2010 from the well supplying water to 3150 Woodleaf Road. This exceeds the federal drinking water standard of 5 $\mu\text{g/l}$. Other VOCs were reported at concentrations below federal drinking water standards in a sample collected May 25, 2010 from the well supplying water to 3140 Woodleaf Road.

IHSB staff is continuing efforts to determine the source and distribution of VOCs in groundwater in the area of these wells. This will likely include additional sampling of the wells on your parcel to monitor changes in contaminant concentrations and distribution. You will be informed of the results of any future samples collected from the wells on your property.

If you have any questions please call (704) 663-1699, write, or email me at the address below.

610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

An Equal Opportunity \ Affirmative Action Employer

One
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Sincerely,

A handwritten signature in black ink, appearing to read "Donna Marie DeCarlo". The signature is fluid and cursive, with the first name "Donna" being the most prominent.

Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

cc: Rowan County Health Department
Rowan County Planning & Development



COPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

August 30, 2010

Mr. Bobby Kluttz
3045 Woodleaf Road
Salisbury, North Carolina 28147

Re: **Water-Supply Well Sample Results and Health Risk Evaluation**
3045 Woodleaf Road
Salisbury, North Carolina 28147

Dear Mr. Kluttz:

On May 25, 2010, I collected a groundwater sample from your residential water supply well. The sample was analyzed for Volatile Organic Compounds (VOCs). VOCs include approximately 60 man-made chemicals found in solvents, petroleum fuels, and disinfectants with many household and industrial uses. Because VOCs were detected in your well, the results were submitted to the NCDENR toxicologist for a Health Risk Evaluation (HRE). All of the VOCs detected in your well were below applicable federal and state regulatory limits at the time the sample was collected. A copy of the HRE is enclosed. It states that your well water can be used for all household purposes. A copy of the laboratory report is also enclosed.

IHSB is continuing efforts to determine the source of these and other chemicals in area groundwater, and may want to sample your well again in the future. If you have any questions, please email or write to me at the addresses below, or call me at (704) 235-2166.

Thank you for your assistance and cooperation with this project.

Sincerely,

Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: HRE and Laboratory report

610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

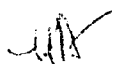
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July 7, 2010

MEMORANDUM

TO: Donna DeCarlo, Hydrogeologist
Superfund Section, IHSB
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygienist 
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
3045 Woodleaf Road
Salisbury, Rowan County

A water sample was collected from the water supply well at the subject address on May 25, 2010. None of the contaminants detected exceeded the applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L).

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Sample #	Chemical	05/25/2010 Concentrations Ug/l	USEPA MCL Ug/l	15A NCAC 2L Ug/l
AB588841	Methyl tertiary-butyl ether	4		20
	Chloroform	0.38 N2	80	
	Benzene	0.77	5	
	o-Xylene	0.30	10,000	
	1,2,4-Trimethyl benzene	0.13 N3		400
	Disopropyl ether	0.65 N1		70

Water Supply Well Information Survey

270 Victoria Street

Incident No: NONCD0002110 - APS#87973
Parcel No: 328B 114

Please Provide the Following Information (to the best of your knowledge)

Person completing the survey

Name: Keith Larsen
Telephone: (704) 253-0372
E-mail:

Address of property receiving survey: 270 Victoria St

City: Salisbury County: Rowan

What is the source of your drinking water? Public Water ☒ Water Supply Well ☐ Stream Intake ☐ Other (please explain below)

Is there currently a water supply well on this property? ☒ Yes / No

If "No": What date was alternate source of water obtained? _____ Please disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

270 Victoria St

How many water supply wells are on your property? 1

What is the well(s) used for? (check all that apply)

Drinking ☒ Irrigation ☒ Swimming Pool ☒ Water Livestock ☐ Other (specify) _____

You do not use the Well _____ (Date when was it last used _____).

How many residences are connected to the well (list addresses below)?

270 Victoria St

How deep (feet) is the well(s)? N/A

Date well was installed? N/A

What is the casing depth (feet) of the well(s)? N/A

What is the casing diameter (inches) of the well(s)?

What is the screen interval (feet) of the well(s)? N/A

N/A

Additional water supply well information:

When was the well(s) last tested (sampled)? N/A

Who conducted the testing (sampling)? N/A

What test (sampling) was conducted? N/A

Please return completed survey to Donna DeCarlo by using one of the following methods:

1. Fax to: 704-663-6040

2. Mail to: Division Of Waste Management, 610 East Center Avenue, #301, Mooresville NC 28115 (_____)

3. E-mail to: donna.decarlo@ncdenr.gov

If you have any questions, please email or call me in the NC DENR Mooresville Regional Office at (704) 663 - 1699

NC DENR MRO IHSB

AUG 18 2010

RECEIVED

Water Supply Well Information Survey

Please fill out and Return.
225 Victoria Street Thanks!

Incident No: NONCD0002110 - APS#87973
Parcel No: 328B 044

No Info

NC DENR MRO IHSB

AUG 18 2010

RECEIVED

Please Provide the Following Information (to the best of your knowledge)

Person completing the survey

Name:

Telephone:

E-mail:

Recent work on pump
Owner thinks well was
installed in '70's

Address of property receiving survey :

City:

County :

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there currently a water supply well on this property? Yes / No

If "No": What date was alternate source of water obtained? . Please disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply)

Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____,

You do not use the Well _____ (Date when was it last used _____).

How many residences are connected to the well (list addresses below)?

How deep (feet) is the well(s)?

Date well was installed?

What is the casing depth (feet) of the well(s)?

What is the casing diameter (inches) of the well(s)?

What is the screen interval (feet) of the well(s)?

Additional water supply well information:

When was the well(s) last tested (sampled)?

Who conducted the testing (sampling)?

What test (sampling) was conducted?

Please return completed survey to Donna DeCarlo by using one of the following methods:

1. Fax to: 704-663-6040

2. Mail to: Division Of Waste Management, 610 East Center Avenue, #301, Mooresville NC 28115

3. E-mail to: donna.decarlo@ncdenr.gov

If you have any questions, please email or call me in the NC DENR Mooresville Regional Office at (704) 663 - 1699

Water Supply Well Information Survey

325 Victoria Street

Incident No: NONCD0002110 - APS#87973
Parcel No: 328B 035

NCDENR MRO IHSB

AUG 18 2010

RECEIVED

Please Provide the Following Information (to the best of your knowledge)

Person completing the survey Candice Basinger
Name: Gary & Debbie Basinger
Telephone: (604) 213-1201
E-mail:

Address of property receiving survey: 325 Victoria St.

City: Salisbury County: Rowan

What is the source of your drinking water? Public Water Water Supply Well Stream Intake / Other (please explain below)

Is there currently a water supply well on this property? Yes / No
If "No": What date was alternate source of water obtained? _____ Please disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well Same

How many water supply wells are on your property? 1

What is the well(s) used for? (check all that apply)
Drinking X Irrigation _____ Swimming Pool _____ Water Livestock _____ Other (specify) _____
You do not use the Well _____ (Date when was it last used _____).

How many residences are connected to the well (list addresses below)? 1

How deep (feet) is the well(s)? Don't know Date well was installed? Don't know
What is the casing depth (feet) of the well(s)? 25 What is the casing diameter (inches) of the well(s)? 5
What is the screen interval (feet) of the well(s)? 25

Additional water supply well information:

When was the well(s) last tested (sampled)? Don't know
Who conducted the testing (sampling)? 25 25
What test (sampling) was conducted? 25 25

Please return completed survey to Donna DeCarlo by using one of the following methods:

1. Fax to: 704-663-6040
2. Mail to: Division Of Waste Management, 610 East Center Avenue, #301, Mooresville NC 28115
3. E-mail to: donna.decarlo@ncdenr.gov

If you have any questions, please email or call me in the NC DENR Mooresville Regional Office at (704) 663 - 1699

Water Supply Well Information Survey

260 Victoria Street

Incident No: NONCD0002110 - APS#87973
Parcel No: 328B 113

RECEIVED
AUG 18 2010
NCDENR MRO IHSB

Please Provide the Following Information (to the best of your knowledge)

Person completing the survey

Name: STEPHEN J. MEYERS

Telephone: 336-425-4023

E-mail:

Address of property receiving survey: 260 VICTORIA ST.

City: SALISBURY

County:

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there currently a water supply well on this property? Yes / No

If "No": What date was alternate source of water obtained? _____ Please disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

STEPHEN J. MEYERS

260 VICTORIA ST. SALISBURY NC. 28147

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply)

Drinking X Irrigation _____ Swimming Pool _____ Water Livestock _____ Other (specify) _____

You do not use the Well _____ (Date when was it last used _____).

How many residences are connected to the well (list addresses below)?

How deep (feet) is the well(s)? 280

Date well was installed? 5-2-08

What is the casing depth (feet) of the well(s)?

What is the casing diameter (inches) of the well(s)?

What is the screen interval (feet) of the well(s)?

Additional water supply well information:

When was the well(s) last tested (sampled)?

Who conducted the testing (sampling)?

What test (sampling) was conducted?

Please return completed survey to Donna DeCarlo by using one of the following methods:

1. Fax to: 704-663-6040

2. Mail to: Division Of Waste Management, 610 East Center Avenue, #301, Mooresville NC 28115

3. E-mail to: donna.decarlo@ncdenr.gov

If you have any questions, please email or call me in the NC DENR Mooresville Regional Office at (704) 663 - 1699



COPY

North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management

Beverly Eaves Perdue, Governor
Dee Freeman, Secretary

August 24, 2010

Bobby Reed
3140 Woodleaf Road
Salisbury, NC 28147

Re: Health Risk Evaluation
Residential Water Supply Well Sampling Results
3140 Woodleaf Road
Salisbury, Rowan County, North Carolina

Dear Mr. Reed:

On August 6, 2010, I sent you a letter with the laboratory results for the samples I collected you're your residential water supply well on May 25, 2010 and June 1, 2010. The August 6 letter stated that a request for a Health Risk Evaluation (HRE) was submitted to a toxicologist but had not yet been received. The table in the August 6 letter showed that the concentrations of Carbon tetrachloride, Naphthalene, Chloroform detected in your well were below applicable federal and state regulatory limits at the time the sample was collected. A copy of the HRE is enclosed. It states that your well water can be used for all household purposes. I apologize for the delay in getting the HRE to you.

Thank you for your cooperation. IHSB is continuing efforts to determine the source of these and other chemicals in area groundwater, and may want to sample your well again in the future. If you have any questions, please email me at donna.decarlo@ncdenr.gov, or call me at (704) 235-2166.

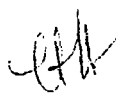
Sincerely,

Donna Marie DeCarlo, Hydrogeologist
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch

July 7, 2010

MEMORANDUM

TO: Donna DeCarlo, Hydrogeologist
Superfund Section, IHSB
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygienist 
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
3140 Woodleaf Road
Salisbury, Rowan County

A water sample was collected from the water supply well at the subject address on May 25, 2010. None of the contaminants detected exceeded the applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L). A health-based concentration was calculated for naphthalene.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Sample #	Chemical	05/25/2010 Concentrations Ug/l	USEPA MCL Ug/l	Calculated Health-based Concentration Ug/l
AB58843	Chloroform	0.21 N3	80	
	Carbon tetrachloride	0.26	5	
	Napthalene	0.39 N3		100

Ug/l = Micrograms of contaminant per liter of water.

N3: Estimated concentration above the laboratory Method Detection Limit but below the Practical Quantitation Limit



COPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

August 23, 2010

Mr. Carlton Myers
2725 Woodleaf Road
Salisbury, North Carolina 28147

Re: **Water-Supply Wells, Parcel 328 B 037**
Salisbury, North Carolina 28147

Dear Mr. Myers:

Rowan County GIS on-line property data indicates that you are the owner of tax parcel 328 B 037, located on the southeast corner of Woodleaf and West Ridge Roads in Salisbury. On March 25, 2010, the North Carolina Department of Environment and Natural Resources (NCDENR), Division of Waste Management, Superfund Section, Inactive Hazardous Sites Branch (Branch) sampled two water supply wells located on this parcel. These wells provide water to two residences located at 3150 and 3140 Woodleaf Road. This letter is to notify you that Volatile Organic Compounds (VOCs) were detected in both wells. Tetrachloroethene, also known as Perchloroethene or PCE, was detected at a concentration of 11 micrograms per liter ($\mu\text{g/l}$), which exceeds the federal drinking water standard of 5 $\mu\text{g/l}$, in the well supplying water to 3150 Woodleaf Road. Copies of the laboratory analytical reports for both samples are attached. Branch staff are in the process of attempting to determine the source and distribution of VOCs in area groundwater.

A "For Sale" sign was seen on this parcel during a recent visit to the area. In accordance with the residential property disclosure act, it is your responsibility to disclose this contamination as part of the property sale. You should also notify all current and future tenants of your property of the contamination detected in the wells located on this parcel.

If you have any questions please call (704) 663-1699 or write or email me at the address below.

Sincerely,

Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management

610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

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Page 2 of 2

Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Lab reports

cc: Rowan County Health Department
Rowan County Planning & Development

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code NCNCD000 2110County RowanQuad No. Serial No. Lat. Long.

SAMPLE TYPE

☒ Water☐ Soil☐ Other☒ Chain of Custody

SAMPLE PRIORITY

☒ Routine☐ Emergency

5

Lab Number Date Received Time: Rec'd By: From: Bus, Courier, Hand Del.,
Other: Data Entry By: Ck: Date Reported: Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,WSRO, Kinston FO, Fed. Trust, Central Off., Other: Shipped by: Bus, Courier, Hand Del., Other: Collector(s): D. DeCarloDate 3/17/2010 Time 1249 Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other:
(circle one)

FIELD ANALYSES

pH ₄₀₀ Spec. Cond. ₉₄ at 25°CTemp. ₁₀ °C Odor noneAppearance clear, colorlessField Analysis By: D. DeCarloOwner Steve MeyersLocation or Site 260 Victoria SullivanDescription of sampling point spigot on well headSampling Method pumpRemarks pumped 15 min. (Pump, bailer, etc.)Sample Interval

(Pumping time, air temp., etc.)

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C):

Lab Comments

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code NONCD 000 2110County RowanQuad No. Serial No. Lat. Long. Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,WSRO, Kinston FO, Fed. Trust, Central Off., Other: Shipped by: Bus, Courier, Hand Del., Other: Collector(s): Dennis DeColaDate 9/17/2010 Time 13:17

Purpose:

FIELD ANALYSES

pH ₄₀₀ Spec. Cond. ₉₄ at 25°CTemp. ₁₀ °C Odor noneAppearance clear colorlessField Analysis By: D. DeCola

LABORATORY ANALYSES

Owner Scott Lee Parish Location or Site 225 Victoria St SalisburyDescription of sampling point spigot next to wellSampling Method pumpRemarks purged 17 minutes

(Pumping time, air temp., etc.)

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C):

Lab Comments

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code NONCD 000 287 2110County Roxboro

Quad No. _____ Serial No. _____

Lat. _____ Long. _____

SAMPLE TYPE

☒ Water☐ Soil☐ Other☒ Chain of Custody

SAMPLE PRIORITY

☒ Routine☐ Emergency

7

Lab Number _____

Date Received _____ Time: _____

Rec'd By: _____ From: Bus, Courier, Hand Del.,

Other: _____

Data Entry By: _____ Ck: _____

Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,

WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____ Purpose: _____Collector(s): _____ Date: 7/17/2010 Time: 1410 Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH ₄₀₀ _____ Spec. Cond. ₉₄ _____ at 25°CTemp. ₁₀ _____ °C Odor noneAppearance clear, colorlessField Analysis By: Donna De Caro, CDOwner Crany ProvingerLocation or Site 325 Victoria, SalisburyDescription of sampling point spigot on well houseSampling Method pump Sample Interval _____Remarks pumped 15 minutes (Pump, bailer, etc.)

LABORATORY ANALYSES

BOD 310	mg/L	Diss. Solids 70300	mg/L	Ag-Silver 46566	ug/L	Organochlorine Pesticides
COD High 340	mg/L	Fluoride 951	mg/L	Al-Aluminum 46557	ug/L	Organophosphorus Pesticides
COD Low 335	mg/L	Hardness: Total 900	mg/L	As-Arsenic 46551	ug/L	Nitrogen Pesticides
Coliform: MF Fecal 31616	/100ml	Hardness (non-carb) 902	mg/L	Ba-Barium 46558	ug/L	Acid Herbicides
Coliform: MF Total 31504	/100ml	Phenols 32730	ug/l	Ca-Calcium 46552	mg/L	PCBs
TOC 680	mg/L	Specific Cond. 95	µMhos/cm	Cd-Cadmium 46559	ug/L	
Turbidity 76	NTU	Sulfate 945	mg/L	Cr-Chromium 46559	ug/L	
Residue, Total Suspended 530	mg/L	Sulfide 745	mg/L	Cu-Copper 46562	ug/L	
				Fe-Iron 46563	ug/L	Semivolatile Organics
		Oil and Grease	mg/L	Hg-Mercury 71900	ug/L	TPH-Diesel Range
pH 403	units			K-Potassium 46555	mg/L	
Alkalinity to pH 4.5 410	mg/L			Mg-Magnesium 46554	mg/L	
Alkalinity to pH 8.3 415	mg/L			Mn-Manganese 46565	ug/L	<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
Carbonate 445	mg/L	NH ₃ as N 610	mg/L	Na-Sodium 46556	mg/L	TPH-Gasoline Range
Bicarbonate 440	mg/L	TKN as N 625	mg/L	Ni-Nickel	ug/L	TPH-BTEX Gasoline Range
Carbon dioxide 405	mg/L	NO ₂ + NO ₃ as N 630	mg/L	Pb-Lead 46564	ug/L	
Chloride 940	mg/L	P: Total as P 665	mg/L	Se-Selenium	ug/L	
Chromium: Hex 1032	ug/L	Nitrate (NO ₃ as N) 620	mg/L	Zn-Zinc 46567	ug/L	
Color: True 80	CU	Nitrite (NO ₂ as N) 615	mg/L			
Cyanide 720	mg/L					

Lab Comments _____

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code NONCD 000 210County RowanQuad No. Serial No. Lat. Long. Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,WSRO, Kinston FO, Fed. Trust, Central Off., Other: Shipped by: Bus, Courier, Hand Del., Other: Collector(s): Date 7/17/2010 Time 1512

Purpose:

Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other:

FIELD ANALYSES

pH 400 Spec. Cond. 94 at 25°CTemp. 10 °C Odor noneAppearance clear, colorlessField Analysis By: D. DelaricoOwner Richard & Sandra Callahan (circle one)Location or Site 1725 West Ridge SalisburyDescription of sampling point hole in foundationSampling Method pumpSample Interval Remarks pumped 15 min. - unknown if filtered

(Pumping time, air temp., etc.)

LABORATORY ANALYSES

BOD 310	mg/L	Diss. Solids 70300	mg/L	Ag-Silver 46566	ug/L	Organochlorine Pesticides
COD High 340	mg/L	Fluoride 951	mg/L	Al-Aluminum 46557	ug/L	Organophosphorus Pesticides
COD Low 335	mg/L	Hardness: Total 900	mg/L	As-Arsenic 46551	ug/L	Nitrogen Pesticides
Coliform: MF Fecal 31616	/100ml	Hardness (non-carb) 902	mg/L	Ba-Barium 46558	ug/L	Acid Herbicides
Coliform: MF Total 31504	/100ml	Phenols 32730	ug/l	Ca-Calcium 46552	mg/L	PCBs
TOC 680	mg/L	Specific Cond. 95	µMhos/cm	Cd-Cadmium 46559	ug/L	
Turbidity 76	NTU	Sulfate 945	mg/L	Cr-Chromium 46559	ug/L	
Residue, Total Suspended 530	mg/L	Sulfide 745	mg/L	Cu-Copper 46562	ug/L	
				Fe-Iron 46563	ug/L	
pH 403	units	Oil and Grease	mg/L	Hg-Mercury 71900	ug/L	Semivolatile Organics
Alkalinity to pH 4.5 410	mg/L			K-Potassium 46555	mg/L	TPH-Diesel Range
Alkalinity to pH 8.3 415	mg/L			Mg-Magnesium 46554	mg/L	
Carbonate 445	mg/L	NH ₃ as N 610	mg/L	Mn-Manganese 46565	ug/L	<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
Bicarbonate 440	mg/L	TKN as N 625	mg/L	Na-Sodium 46556	mg/L	TPH-Gasoline Range
Carbon dioxide 405	mg/L	NO ₂ + NO ₃ as N 630	mg/L	Ni-Nickel	ug/L	TPH-BTEX Gasoline Range
Chloride 940	mg/L	P: Total as P 665	mg/L	Pb-Lead 46564	ug/L	
Chromium: Hex 1032	ug/L	Nitrate (NO ₃ as N) 620	mg/L	Se-Selenium	ug/L	
Color: True 80	CU	Nitrite (NO ₂ as N) 615	mg/L	Zn-Zinc 46567	ug/L	
Cyanide 720	mg/L					

Lab Comments

LAB USE ONLY

Temperature on arrival (°C):

Report to:

GROUNDWATER SECTION

Page 2 of 2

CHAIN OF CUSTODY (COC) RECORD

NC DENR/DWQ LABORATORY (check one): ☒ CENTRAL ☐ ARO ☐ WaRO

For Investigation of: <u>Woodless Rd</u>					Incident No. <u>NONCD0002110</u>																																																		
Sample collector (print name) <u>Donna DeCarlo</u>					Sample collector's signature: <u>[Signature]</u>																																																		
Field storage conditions and location (when applicable):																																																							
<table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th style="width:10%;">Lab Use Only</th><th style="width:15%;">SAMPLE ID</th><th style="width:15%;">QUAD. NO.</th><th style="width:30%;">LOCATION</th><th style="width:15%;">DATE SAMPLED</th><th style="width:15%;">TIME SAMPLED</th><th style="width:10%;">NUMBER OF CONTAINERS</th></tr></thead><tbody><tr><td></td><td>4</td><td></td><td>270 Victoria St.</td><td>8/17/2010</td><td>1233</td><td>4</td></tr><tr><td></td><td>5</td><td></td><td>260 Victoria St.</td><td>8/17/2010</td><td>1249</td><td>4</td></tr><tr><td></td><td>6</td><td></td><td>225 Victoria St.</td><td>8/17/2010</td><td>1317</td><td>4</td></tr><tr><td></td><td>7</td><td></td><td>325 Victoria St</td><td>8/17/2010</td><td>1410</td><td>4</td></tr><tr><td></td><td>8</td><td></td><td>1725 West Ridge St.</td><td>8/17/2010</td><td>1512</td><td>4</td></tr><tr><td colspan="7" style="height: 100px; vertical-align: middle; text-align: center;">[Signature]</td></tr></tbody></table>							Lab Use Only	SAMPLE ID	QUAD. NO.	LOCATION	DATE SAMPLED	TIME SAMPLED	NUMBER OF CONTAINERS		4		270 Victoria St.	8/17/2010	1233	4		5		260 Victoria St.	8/17/2010	1249	4		6		225 Victoria St.	8/17/2010	1317	4		7		325 Victoria St	8/17/2010	1410	4		8		1725 West Ridge St.	8/17/2010	1512	4	[Signature]						
Lab Use Only	SAMPLE ID	QUAD. NO.	LOCATION	DATE SAMPLED	TIME SAMPLED	NUMBER OF CONTAINERS																																																	
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	8		1725 West Ridge St.	8/17/2010	1512	4																																																	
[Signature]																																																							
Relinquished by (signature): <u>[Signature]</u>			Date <u>8/17/2010</u>	Time <u>1700</u>	Received by (signature):																																																		
Relinquished by (signature):			Date	Time	Received by (signature):																																																		
Relinquished by (signature):			Date	Time	Received by (signature):																																																		
Method of Shipment (check one): State Courier <input checked="" type="checkbox"/> Hand-delivered <input type="checkbox"/> Federal Express <input type="checkbox"/> UPS <input type="checkbox"/> Other:																																																							
Security Type and Conditions:				Sealed by: <u>[Signature]</u>		Broken by:																																																	

INTRALABORATORY CHAIN OF CUSTODY - Lab Use Only[illegible]

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code NONCD 000 2110County RowanQuad No. Serial No. Lat. Long.

SAMPLE TYPE

- ☒
- Water
-
- ☐
- Soil
-
- ☐
- Other

☒ Chain of Custody

SAMPLE PRIORITY

- ☒
- Routine
-
- ☐
- Emergency

4

Lab Number Date Received Time: Rec'd By: From: Bus, Courier, Hand Del.,
Other: Data Entry By: Ck: Date Reported: Report To: ARO, FRO, (MRO) RRO, WaRO, WIRO,WSRO, Kinston FO, Fed. Trust, Central Off., Other: Shipped by: Bus, Courier, Hand Del., Other: Collector(s): Dennis DeCarloDate 8/17/2010 Time 1233

Purpose:

FIELD ANALYSES

pH ₄₀₀ Spec. Cond. ₉₄ at 25°CTemp. ₁₀ °C Odor none observedAppearance clear, colorlessField Analysis By: D. DeCarloOwner Larsen / GloverLocation or Site 270 Victoria, SalisburyDescription of sampling point spigot on well headSampling Method pumpRemarks purged 15 minutes

(circle one)

Sample Interval

(Pumping time, air temp., etc.)

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C):

Lab Comments



Left at Residence
8/17/2010

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

August 17, 2010

Current Owner or Occupant
225 Victoria Street, Salisbury NC

Re: **Water-Supply Well Information Survey & Sampling Request**

Dear Property Owner or Tenant:

The Division of Waste Management's Superfund Section, Inactive Hazardous Sites Branch ("Branch") is conducting a **Water Supply Well Information Survey**, and a **Water Supply Well Sampling Event** in your area. Our files, and information from Rowan County and/or the City of Salisbury indicate that you are the owner or tenant of a parcel that does not have access to a municipal water source, and that ground water wells are the source of drinking water for your home and your neighbors. The purpose of the well survey and sampling is to determine if your well has been affected by ground water contamination so that action can be taken to protect your health if necessary.

You may have received a letter in June stating that the sampling event would take place in late July 2010. Due to a poor response to the earlier letter, sampling was postponed. We will be in the area August 17 and would like to sample your well if possible. **As stated in the previous letter, there will be no cost to you** to have the Branch sample a drinking water supply well at your residence. If there is an outdoor spigot, we will not need to enter your home, and you do not have to be present when the sample is collected. The sample will be submitted for laboratory analyses, and the results will be sent to you.

The "Water Supply Well Information Survey Form" on the back of this page should be completed to the best of your ability and mailed back using the prepaid self-addressed envelope provided. If your property obtains drinking (potable) water from a public source, such as a rural water district or city water company, if your property does not have a water-supply well or had a well that has been properly abandoned, **or you do not wish to have your water-supply well sampled, please contact me as soon as possible at (704) 663-1699. You can also email me at donna.decarlo@ncdenr.gov.** Thank you for your assistance and cooperation.

Sincerely,

Donna Marie DeCarlo, Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch

610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

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Water Supply Well Information Survey

225 Victoria Street

Incident No: NONCD0002110 - APS#87973

Parcel No: 328B 044

Please Provide the Following Information (to the best of your knowledge)

Person completing the survey

Name:

Telephone:

E-mail:

Address of property receiving survey :

City:

County :

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)**

Is there currently a water supply well on this property? **Yes / No**

If "No": What date was alternate source of water obtained? . Please disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply)

Drinking _____, **Irrigation** _____, **Swimming Pool** _____, **Water Livestock** _____, **Other (specify)** _____,

You do not use the Well _____ (Date when was it last used _____).

How many residences are connected to the well (list addresses below)?

How deep (feet) is the well(s)?

Date well was installed?

What is the casing depth (feet) of the well(s)?

What is the casing diameter (inches) of the well(s)?

What is the screen interval (feet) of the well(s)?

Additional water supply well information:

When was the well(s) last tested (sampled)?

Who conducted the testing (sampling)?

What test (sampling) was conducted?

Please return completed survey to Donna DeCarlo by using one of the following methods:

1. Fax to: 704-663-6040

2. Mail to: Division Of Waste Management, 610 East Center Avenue, #301, Mooresville NC 28115 ~~(unpublished address)~~

3. E-mail to: donna.decarlo@ncdenr.gov

If you have any questions, please email or call me in the NC DENR Mooresville Regional Office at (704) 663 - 1699



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary
RECEIVED

August 17, 2010

Current Owner or Occupant
280 Victoria Street, Salisbury NC

AUG 30 2010
NCDENR MDC/MSB

Re: **Water-Supply Well Information Survey & Sampling Request**

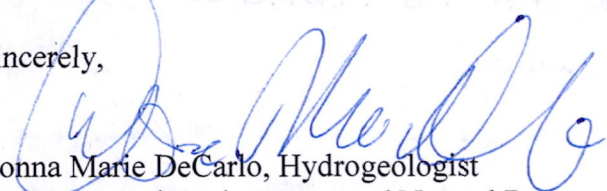
Dear Property Owner or Tenant:

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The "Water Supply Well Information Survey Form" on the back of this page should be completed to the best of your ability and mailed back using the prepaid self-addressed envelope provided. If your property obtains drinking (potable) water from a public source, such as a rural water district or city water company, if your property does not have a water-supply well or had a well that has been properly abandoned, **or you do not wish to have your water-supply well sampled, please contact me as soon as possible at (704) 663-1699. You can also email me at donna.decarlo@ncdenr.gov.** Thank you for your assistance and cooperation.

Sincerely,



Donna Marie DeCarlo, Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch

610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

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Water Supply Well Information Survey

280 Victoria Street

Incident No: NONCD0002110 - APS#87973

Parcel No: 328B 115

Please Provide the Following Information (to the best of your knowledge)

Person completing the survey

Name: Donna P. Willis

Telephone: 704 6336144

E-mail: tdjr.willis@yahoo.com

Address of property receiving survey :

280 Victoria Street

City: Salisbury

County: Rowan

What is the source of your drinking water? Public Water Water Supply Well / Stream Intake / Other (please explain below)

Is there currently a water supply well on this property? (Yes) No

If "No": What date was alternate source of water obtained? . Please disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

Donna P. Willis

How many water supply wells are on your property? (1) one

What is the well(s) used for? (check all that apply)

Drinking ☒ Irrigation ☐ Swimming Pool ☐ Water Livestock ☐ Other (specify) normal house hold use

You do not use the Well (Date when was it last used)

How many residences are connected to the well (list addresses below)?

one (my house only)

How deep (feet) is the well(s)?

Date well was installed?

What is the casing depth (feet) of the well(s)?

What is the casing diameter (inches) of the well(s)?

What is the screen interval (feet) of the well(s)?

Additional water supply well information:

unable to locate info

I bought home July 2008 - new construction

I will try to find this information

When was the well(s) last tested (sampled)?

Donna Willis

Who conducted the testing (sampling)?

What test (sampling) was conducted?

Please return completed survey to Donna DeCarlo by using one of the following methods:

1. Fax to: 704-663-6040

2. Mail to: Division Of Waste Management, 610 East Center Avenue, #301, Mooresville NC 28115

3. E-mail to: donna.decarlo@ncdenr.gov

If you have any questions, please email or call me in the NC DENR Mooresville Regional Office at (704) 663 - 1699



COPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

August 17, 2010

Current Owner or Occupant
360 Victoria Street, Salisbury NC

Re: **Water-Supply Well Information Survey & Sampling Request**

Dear Property Owner or Tenant:

The Division of Waste Management's Superfund Section, Inactive Hazardous Sites Branch ("Branch") is conducting a **Water Supply Well Information Survey**, and a **Water Supply Well Sampling Event** in your area. Our files, and information from Rowan County and/or the City of Salisbury indicate that you are the owner or tenant of a parcel that does not have access to a municipal water source, and that ground water wells are the source of drinking water for your home and your neighbors. The purpose of the well survey and sampling is to determine if your well has been affected by ground water contamination so that action can be taken to protect your health if necessary.

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Sincerely,

Donna Marie DeCarlo, Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
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Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

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Water Supply Well Information Survey

360 Victoria Street

Incident No: NONCD0002110 - APS#87973

Parcel No: 328B 054

Please Provide the Following Information (to the best of your knowledge)

Person completing the survey

Name:

Telephone:

E-mail:

Address of property receiving survey :

City:

County :

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there currently a water supply well on this property? Yes / No

If "No": What date was alternate source of water obtained? . Please disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply)

Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____,

You do not use the Well _____ (Date when was it last used _____).

How many residences are connected to the well (list addresses below)?

How deep (feet) is the well(s)?

Date well was installed?

What is the casing depth (feet) of the well(s)?

What is the casing diameter (inches) of the well(s)?

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Additional water supply well information:

When was the well(s) last tested (sampled)?

Who conducted the testing (sampling)?

What test (sampling) was conducted?

Please return completed survey to Donna DeCarlo by using one of the following methods:

1. Fax to: 704-663-6040

2. Mail to: Division Of Waste Management, 610 East Center Avenue, #301, Mooresville NC 28115 ~~(use pre-paid envelope)~~

3. E-mail to: donna.decarlo@ncdenr.gov

If you have any questions, please email or call me in the NC DENR Mooresville Regional Office at (704) 663 - 1699



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North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

August 17, 2010

Current Owner or Occupant
325 Victoria Street, Salisbury NC

Re: **Water-Supply Well Information Survey & Sampling Request**

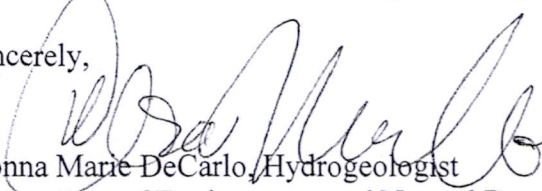
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Sincerely,


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Water Supply Well Information Survey

325 Victoria Street

Incident No: NONCD0002110 - APS#87973

Parcel No: 328B 035

Please Provide the Following Information (to the best of your knowledge)

Person completing the survey

Name:

Telephone:

E-mail:

Address of property receiving survey :

City:

County :

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there currently a water supply well on this property? Yes / No

If "No": What date was alternate source of water obtained? . Please disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply)

Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____,

You do not use the Well _____ (Date when was it last used _____).

How many residences are connected to the well (list addresses below)?

How deep (feet) is the well(s)?

Date well was installed?

What is the casing depth (feet) of the well(s)?

What is the casing diameter (inches) of the well(s)?

What is the screen interval (feet) of the well(s)?

Additional water supply well information:

When was the well(s) last tested (sampled)?

Who conducted the testing (sampling)?

What test (sampling) was conducted?

Please return completed survey to Donna DeCarlo by using one of the following methods:

1. Fax to: 704-663-6040

2. Mail to: Division Of Waste Management, 610 East Center Avenue, #301, Mooresville NC 28115 (no longer in use)

3. E-mail to: donna.decarlo@ncdenr.gov

If you have any questions, please email or call me in the NC DENR Mooresville Regional Office at (704) 663 - 1699



COPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

August 17, 2010

Current Owner or Occupant
280 Victoria Street, Salisbury NC

Re: **Water-Supply Well Information Survey & Sampling Request**

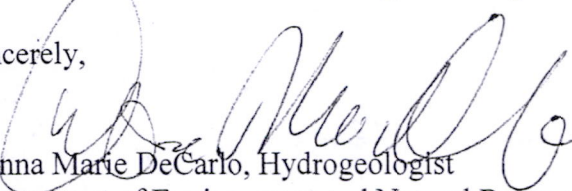
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The "Water Supply Well Information Survey Form" on the back of this page should be completed to the best of your ability and mailed back using the prepaid self-addressed envelope provided. If your property obtains drinking (potable) water from a public source, such as a rural water district or city water company, if your property does not have a water-supply well or had a well that has been properly abandoned, **or you do not wish to have your water-supply well sampled, please contact me as soon as possible at (704) 663-1699. You can also email me at donna.decarlo@ncdenr.gov.** Thank you for your assistance and cooperation.

Sincerely,


Donna Marie DeCarlo, Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch

610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

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Water Supply Well Information Survey

280 Victoria Street

Incident No: NONCD0002110 - APS#87973

Parcel No: 328B 115

Please Provide the Following Information (to the best of your knowledge)

Person completing the survey

Name:

Telephone:

E-mail:

Address of property receiving survey :

City:

County :

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there currently a water supply well on this property? Yes / No

If "No": What date was alternate source of water obtained? . Please disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply)

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North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

August 17, 2010

Current Owner or Occupant
275 Victoria Street, Salisbury NC

Re: **Water-Supply Well Information Survey & Sampling Request**

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Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch

610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

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Water Supply Well Information Survey

275 Victoria Street

Incident No: NONCD0002110 - APS#87973
Parcel No: 328B 040

Please Provide the Following Information (to the best of your knowledge)

Person completing the survey

Name:

Telephone:

E-mail:

Address of property receiving survey :

City:

County :

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there currently a water supply well on this property? Yes / No

If "No": What date was alternate source of water obtained? . Please disregard remaining questions and return survey

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How many water supply wells are on your property?

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North Carolina Department of Environment and Natural Resources
Division of Waste Management

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August 17, 2010

Current Owner or Occupant
270 Victoria Street, Salisbury NC

Re: **Water-Supply Well Information Survey & Sampling Request**

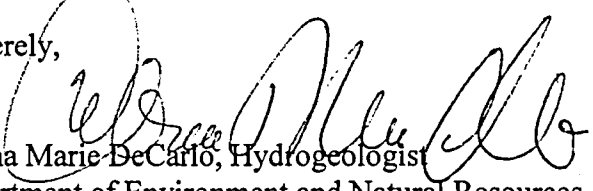
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Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch

610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

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Water Supply Well Information Survey

270 Victoria Street

Incident No: NONCD0002110 - APS#87973

Parcel No: 328B 114

Please Provide the Following Information (to the best of your knowledge)

Person completing the survey

Name:

Telephone:

E-mail:

Address of property receiving survey :

City:

County :

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there currently a water supply well on this property? Yes / No

If "No": What date was alternate source of water obtained? . Please disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply)

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North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

August 17, 2010

Current Owner or Occupant
260 Victoria Street, Salisbury NC

Re: Water-Supply Well Information Survey & Sampling Request

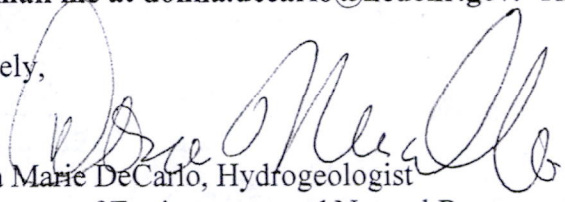
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Water Supply Well Information Survey

260 Victoria Street

Incident No: NONCD0002110 - APS#87973

Parcel No: 328B 113

Please Provide the Following Information (to the best of your knowledge)

Person completing the survey

Name:

Telephone:

E-mail:

Address of property receiving survey :

City:

County :

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there currently a water supply well on this property? Yes / No

If "No": What date was alternate source of water obtained? . Please disregard remaining questions and return survey

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North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

August 17, 2010

Current Owner or Occupant
255 Victoria Street, Salisbury NC

Re: **Water-Supply Well Information Survey & Sampling Request**

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Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

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Water Supply Well Information Survey

255 Victoria Street

Incident No: NONCD0002110 - APS#87973
Parcel No: 328 B 048

Please Provide the Following Information (to the best of your knowledge)

Person completing the survey

Name:

Telephone:

E-mail:

Address of property receiving survey :

City:

County :

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

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GOPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

August 17, 2010

Current Owner or Occupant
225 Victoria Street, Salisbury NC

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Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

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Water Supply Well Information Survey

225 Victoria Street

Incident No: NONCD0002110 - APS#87973

Parcel No: 328B 044

Please Provide the Following Information (to the best of your knowledge)

Person completing the survey

Name:

Telephone:

E-mail:

Address of property receiving survey :

City:

County :

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

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TRIP BLANK

NC DWO Laboratory Section Results

County: <u>IREDELL</u>	Sample ID: AB62340
River Basin	PO Number #: 10G0535
Report To: <u>MROAP</u>	Date Received: 08/19/2010
Collector: <u>D DECARLO</u>	Time Received: 08:15
Region: <u>MRO</u>	Labworks LoginID: SMATHIS
Sample Matrix: <u>GROUNDWATER</u>	Report Generated: 8/31/10
Loc. Type: <u>TRIP BLANK</u>	Date Reported: 08/31/2010
Emergency Yes/No	
COC Yes/No <u>YES</u>	
VisitID	
Loc. Descr.: <u>TRIP BLANK</u>	

Location ID: HICKORY-LINCOLNTONHWY	Collect Date: 08/16/2010	Collect Time: 10:15	Sample Depth
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CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB	Sample temperature at receipt by lab	2.7		°C		8/19/10	SMATHIS
VOL	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID:	HICKORY-LINCOLNTONHWY	Sample ID:	AB62340	Collect Date:	08/16/2010	Collect Time::	10:15
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VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	8/19/10	ACHANDLER

COC

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code Hickory-Lincolnton HwyCounty Iredell

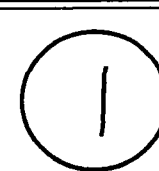
Quad No _____ Serial No. _____

Lat. _____ Long. _____

SAMPLE TYPE

☒ Water☐ Soil☐ Other☒ Chain of Custody

SAMPLE PRIORITY

☒ Routine☐ EmergencyLab Number 1060535 AB62340Date Received 8/19/10 Time: 0815Rec'd By: Hpm From: Bus, Courier, Hand Del.,

Other: _____

Data Entry By: _____ Ck: _____

Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,

WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____ Purpose: _____Collector(s): Donna Decarlo Date 08-16-10 Time 10:15 Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH ₄₀₀ _____ Spec. Cond. ₉₄ _____ at 25°COdor NoneTemp. ₁₀ _____ °CAppearance Clear

Field Analysis

By: D. DeCarloOwner MROLocation or Site Trip BlankDescription of sampling point DeerPark Bottle WaterSampling Method Grab

(Pump, bailer, etc.)

Sample Interval _____

Remarks _____

(Pumping time, air temp., etc.)

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46568	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
XX Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>27</u>

Lab Comments _____



COPY

North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management

Beverly Eaves Perdue, Governor
Dee Freeman, Secretary

August 6, 2010

Bobby Reed
3140 Woodleaf Road
Salisbury, NC 28147

Re: Supply Well Sampling Results
3140 Woodleaf Road
Salisbury, Rowan County, North Carolina

Dear Mr. Reed:

On May 25, 2010, and June 1, 2010, the Inactive Hazardous Sites Branch (IHSB) collected ground water samples from your water supply well in the field near your residence. The June 1 sample was analyzed for pesticides. No pesticides were found in the water from your well above their respective Practical Quantitation Limits (PQLs). The PQL is the concentration that must be present for the laboratory to reliably quantify it. The May 25 sample was submitted for laboratory analysis for Volatile Organic compounds (VOCs). VOCs are a group of chemicals used in a variety of industrial and household products, including solvents, lubricants, fuel additives, and disinfectants. Three VOCs were detected in the sample at concentrations below federal drinking water standards. They were Carbon Tetrachloride, Chloroform and Naphthalene. The concentrations reported for Chloroform and Naphthalene were denoted as estimated (N3) because they were above the laboratory reporting limit but below their PQLs. Copies of the laboratory analytical reports for these samples are enclosed.

Carbon tetrachloride has had many uses in the past, including as a dry cleaning and degreasing solvent, in fire extinguishers, and as a grain fumigant. It was used as a pesticide until 1986, but is no longer used for any of these purposes in the U.S. I have enclosed additional information about Carbon Tetrachloride. Chloroform is one of a group of chemicals called Trihalomethanes. Chloroform is used to disinfect water in municipal water supply systems. It can be released from chemicals used to treat swimming pools and hot tubs, and to "shock" newly installed water wells and wells that have been worked on. It can also be formed by the breakdown of Carbon Tetrachloride. Naphthalene is usually reported as a SemiVolatile Organic Compound (SVOC), but can also be identified and reported by VOC analysis. It is present in petroleum products.

Because VOCs were found in your well, a Health Risk Evaluation (HRE) was requested, but has not yet been received. We have been experiencing unusual delays in getting both analytical results and HREs due to the number of samples being submitted to the lab, combined with unexpected staff absences. Rather than further delay sending your results until I have the HRE, I am sending the information I have at this time, and will send the HRE when it is available. I apologize for this delay and any inconvenience it may

cause you. The table below shows the detected compounds and their corresponding state and federal regulatory limits. As stated above and shown on the table, all of the reported concentrations were below the federal drinking water standard and the state groundwater standard.

Chemical Name	Chloroform	Carbon Tetrachloride	Naphthalene
Concentration Detected	0.21 µg/l (estimated)*	0.26 µg/l	0.39 µg/l (estimated)*
15A NCAC 2L Groundwater Standard	70 µg/l	0.3 µg/l	6 µg/l
EPA MCL	TTHMs = 80 µg/l	5 µg/l	None
EPA Secondary MCL	None	None	None

* The reported concentration is an estimate. The chemical was detected above the laboratory reporting limit but below the PQL.

EPA MCL = US Environmental Protection Agency Maximum Contaminant Level

EPA Secondary MCL = Non-Enforceable Guidelines for compounds with cosmetic or aesthetic effects, such as taste, odor, and appearance.

BPQL = Below Practical Quantitation Limits


NCAC = North Carolina Administrative Code

TTHMs = Total Trihalomethanes, By-products of drinking water disinfection.

µg/L = micrograms per Liter (~parts per billion)

Thank you for your cooperation. IHSB is conducting additional sampling in the area as part of an effort to determine the source of these and other chemicals, and may want to sample your well again in the future. If you have any questions, please email me at donna.decarlo@ncdenr.gov , or call me at (704) 235-2166.

Sincerely,



Donna Marie DeCarlo, Hydrogeologist
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch

Enclosures: Lab reports, ATSDR Fact Sheet for Carbon Tetrachloride

Cc: Rowan County Health Department



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

August 4, 2010

RECEIVED

AUG 06 2010

NCDENR MRO IHSB

TO: Donna DeCarlo
Mooresville Regional Office
NC Superfund Section

FROM: David Lilley *DBL*
Industrial Hygiene Consultant
NC Division of Waste Management

RE: Health Risk Evaluation
3165 Woodleaf Road Well Sampling Results
Salisbury, NC

During this sampling event, two contaminants were detected in the well water. The standards used to determine if the water is suitable for drinking and cooking are the United States Environmental Protection Agency's Maximum Contaminant Levels (MCLs) or, if no MCLs exist, North Carolina Groundwater Standards (2L).

If any contaminant concentrations exceed applicable standards for using the water for drinking and cooking, those contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. The chart below compares the detected contaminant concentrations with the applicable standards:

Sample ID	Contaminant	Concentration (ug/l)*	MCL (ug/l)	2L (ug/l)
AB59103	Chloroform	0.74	80**	
	Carbon Tetrachloride	0.49	5	

* The abbreviation ug/l stands for micrograms of contaminant per liter of water and is roughly equivalent to parts per billion.

** As total trihalomethanes.

RECOMMENDATION: None of the contaminants detected exceeded the applicable water standards. Therefore, no restrictions on the use of this water are recommended at this time.

NC DWO Laboratory Section Results

County: IREDELL	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">NCDENR MRO IHSB</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">RECEIVED</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">AUG 05 2010</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">VISITID</div> </div>	Sample ID: AB61482	
River Basin		PO Number #: 10G0502	
Report To: MROAP		Date Received: 07/28/2010	
Collector: D DECARLO		Time Received: 10:00	
Region: MRO		Labworks LoginID: SMATHIS	
Sample Matrix: GROUNDWATER		Report Generated: 8/2/10	
Loc. Type: TRIP BLANK		Date Reported: 08/02/2010	
Emergency Yes/No			
COC Yes/No: YES			
Loc. Descr.: TRIP BLANK			
Location ID: NONCD0002307	Collect Date: 07/27/2010	Collect Time: 13:00	Sample Depth

mfp 8.2.10

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		2.1	°C		7/28/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: **NONCD0002307**

Sample ID: **AB61482**

Collect Date: **07/27/2010**

Collect Time: **13:00**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	7/28/10	ACHANDLER

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code NOWCD 0002307County IredellQuad No. Serial No. Lat. Long.

SAMPLE TYPE

☒ Water☐ Soil☐ Other☒ Chain of Custody

SAMPLE PRIORITY

☒ Routine☐ Emergency

10G0502

Lab Number AB61482Date Received 7-28-10 Time 10:00Rec'd By: mp From: Bus, Courier, Hand Del.,
Other: Data Entry By: Ck: Date Reported: Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: Shipped by: Bus, Courier, Hand Del., Other: Purpose: Collector(s): DeCarlo Date 7/24/2010 Time 1300 Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other:

FIELD ANALYSES

pH ₄₀₀ Spec. Cond. ₉₄ at 25°CTemp. ₁₀ °C Odor NoneAppearance clear colorlessField Analysis By: P DeCarloOwner MROLocation or Site Trip BlankDescription of sampling point Deep Park Better WaterSampling Method

(Pump, bailer, etc.)

Sample Interval Remarks

(Pumping time, air temp., etc.)

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31618	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>2.1</u>

Lab Comments



A= 3150 Woodleaf C= 3140 Woodleaf D= well for 3150 Woodleaf (approx.)
and 3140 Woodleaf
B= 3165 Woodleaf



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

June 28, 2010

Peggy Ann L. Cook
360 Victoria Street
Salisbury, North Carolina 28147

Re: **Water-Supply Well Information Survey & Sampling Request**
360 Victoria Street
Salisbury, North Carolina
Parcel ID: 328B 054

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a **Water Supply Well Information Survey**, and a **Water Supply Well Sampling Event** in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

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The Water Supply Well Sampling Event will take place **during the last two weeks of July 2010**. There will be **no cost** to you to have the Branch sample a drinking water supply well located at your property. If there is an outdoor spigot we will not need to enter your home, and you do not have to be present when the sample is collected. The water sample will be submitted for laboratory analyses, and the results will be sent to you.

If your property obtains drinking (potable) water from a public source, such as a rural water district or city water company, if your property does not have a water-supply well or had a well that has been properly abandoned, or you do not wish to have your water-supply well sampled, please contact me as soon as possible at (704) 663-1699. You can also email me at address below.

If you want your well sampled and will not be home, we will need to know where we can collect the sample. The best location to collect the sample is at the well itself. If the well does not have a spigot at the well, the sample can be collected from a yard spigot or hose bib on the foundation. Please indicate on the Water Supply

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Well Information Survey where the well or outside spigot is on your property. The exact date for the sampling event will be based on staff availability and the number of residents who want their well sampled. If you agree to have your well well sampled I will let you know in advance when we expect to be there.

Please return the completed form by July 6, 2010. If you have any questions please feel free to call me at (704) 663-1699. Thank you for your assistance and cooperation with this project.

Sincerely,



Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form

Prepaid-Self Addressed Envelope



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

June 28, 2010

Gary Basinger and Debbie Barnhardt
P O Box 415
Spencer, North Carolina 28159-0415

Re: **Water-Supply Well Information Survey & Sampling Request**
325 Victoria Street
Salisbury, North Carolina
Parcel ID: 328B 035

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a **Water Supply Well Information Survey**, and a **Water Supply Well Sampling Event** in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

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Please return the completed form by July 6, 2010. If you have any questions please feel free to call me at (704) 663-1699. Thank you for your assistance and cooperation with this project.

Sincerely,

A handwritten signature in black ink, appearing to read "Donna Marie DeCarlo". The signature is fluid and cursive, with the first name "Donna" being the most prominent.

Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form
Prepaid-Self Addressed Envelope



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

June 28, 2010

Alan Dale Livengood
1310 Julius Drive
Salisbury, North Carolina 28147-6812

Re: **Water-Supply Well Information Survey & Sampling Request**
3060 Woodleaf Road
Salisbury, North Carolina
Parcel ID: 328 026

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a **Water Supply Well Information Survey**, and a **Water Supply Well Sampling Event** in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

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Residences surrounding
hayfield wells to N, E, S

Well Information Survey where the well or outside spigot is on your property. The exact date for the sampling event will be based on staff availability and the number of residents who want their well sampled. If you agree to have your well well sampled I will let you know in advance when we expect to be there.

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Sincerely,



Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form

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North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

June 28, 2010

Thomas Eugene Fisher III
255 Victoria Street
Salisbury, North Carolina 28147

Re: **Water-Supply Well Information Survey & Sampling Request**
255 Victoria Street
Salisbury, North Carolina 28147
Parcel ID: 328B 048

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a **Water Supply Well Information Survey**, and a **Water Supply Well Sampling Event** in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

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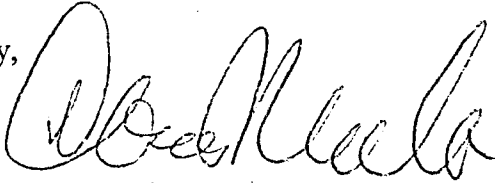
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Well Information Survey where the well or outside spigot is on your property. The exact date for the sampling event will be based on staff availability and the number of residents who want their well sampled. If you agree to have your well well sampled I will let you know in advance when we expect to be there.

Please return the completed form by July 6, 2010. If you have any questions please feel free to call me at (704) 663-1699. Thank you for your assistance and cooperation with this project.

Sincerely,



Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form

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GOPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

June 28, 2010

Mr. and Mrs. Howard Linn Safley
275 Victoria Street
Salisbury, North Carolina 28147

Re: **Water-Supply Well Information Survey & Sampling Request**
275 Victoria Street
Salisbury, North Carolina 28147
Parcel ID: 328B 040

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a **Water Supply Well Information Survey**, and a **Water Supply Well Sampling Event** in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

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Sincerely,



Donna Marie DeCarlo

Hydrogeologist

Department of Environment and Natural Resources

Division of Waste Management

Superfund Section - Inactive Hazardous Sites Branch

donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form

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Director

Dee Freeman
Secretary

June 28, 2010

Scott Lee Parish
225 Victoria Street
Salisbury, North Carolina 28147

Re: **Water-Supply Well Information Survey & Sampling Request**
225 Victoria Street
Salisbury, North Carolina 28147
Parcel ID: 328B 044

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a **Water Supply Well Information Survey**, and a **Water Supply Well Sampling Event** in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

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Sincerely,



Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form

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Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

June 28, 2010

Mr. and Mrs. Stephen J. Myers
260 Victoria Street
Salisbury, North Carolina 28147

Re: **Water-Supply Well Information Survey & Sampling Request**
260 Victoria Street
Salisbury, North Carolina
Parcel ID: 328B 113

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a **Water Supply Well Information Survey**, and a **Water Supply Well Sampling Event** in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

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Please return the completed form by July 6, 2010. If you have any questions please feel free to call me at (704) 663-1699. Thank you for your assistance and cooperation with this project.

Sincerely,



Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form

Prepaid-Self Addressed Envelope



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

June 28, 2010

Phillip Keith Larsen and Debbie Lin Glover
270 Victoria Street
Salisbury, North Carolina 28147

Re: **Water-Supply Well Information Survey & Sampling Request**
270 Victoria Street
Salisbury, North Carolina
Parcel ID: 328B 114

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a **Water Supply Well Information Survey**, and a **Water Supply Well Sampling Event** in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

Our file records and information from Rowan County and/or the City of Salisbury indicate that you are the owner or tenant of the parcel stated above, and that this parcel may not be connected to a municipal water source. The Branch has attached a "Water Supply Well Information Survey Form" for you to complete and mail back using the prepaid self-addressed envelope provided. The information you provide in the form will allow the Branch to continue to evaluate and monitor groundwater in your area. This groundwater is the source of potable drinking water for your home and your neighbors.

The Water Supply Well Sampling Event will take place **during the last two weeks of July 2010**. There will be **no cost** to you to have the Branch sample a drinking water supply well located at your property. If there is an outdoor spigot we will not need to enter your home, and you do not have to be present when the sample is collected. The water sample will be submitted for laboratory analyses, and the results will be sent to you.

If your property obtains drinking (potable) water from a public source, such as a rural water district or city water company, if your property does not have a water-supply well or had a well that has been properly abandoned, or you do not wish to have your water-supply well sampled, please contact me as soon as possible at (704) 663-1699. You can also email me at address below.

If you want your well sampled and will not be home, we will need to know where we can collect the sample. The best location to collect the sample is at the well itself. If the well does not have a spigot at the well, the sample can be collected from a yard spigot or hose bib on the foundation. Please indicate on the Water Supply

610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

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Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form

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North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

June 28, 2010

Donna P. Willis
280 Victoria Street
Salisbury, North Carolina 28147

Re: **Water-Supply Well Information Survey & Sampling Request**
280 Victoria Street
Salisbury, North Carolina
Parcel ID: 328B 115

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a **Water Supply Well Information Survey**, and a **Water Supply Well Sampling Event** in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

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Sincerely,



Donna Marie DeCarlo

Hydrogeologist

Department of Environment and Natural Resources

Division of Waste Management

Superfund Section - Inactive Hazardous Sites Branch

donna.decarlo@ncdenr.gov

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North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

June 28, 2010

Carlton Eugene Cashion
385 Victoria Street
Salisbury, North Carolina 28147

Re: **Water-Supply Well Information Survey & Sampling Request**
385 Victoria Street
Salisbury, North Carolina
Parcel ID: 328B 039

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a **Water Supply Well Information Survey**, and a **Water Supply Well Sampling Event** in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

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Sincerely,

A handwritten signature in black ink, appearing to read "Donna Marie DeCarlo". The signature is fluid and cursive, with the first name "Donna" being the most prominent.

Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form

Prepaid-Self Addressed Envelope



COPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

June 28, 2010

Sandra Kay Callahan
1675 W Ridge Road
Salisbury, North Carolina 28147

Re: **Water-Supply Well Information Survey & Sampling Request**
1675 W Ridge Road
Salisbury, North Carolina
Parcel ID: 328B 056

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a **Water Supply Well Information Survey**, and a **Water Supply Well Sampling Event** in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

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Sincerely,

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Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form

Prepaid-Self Addressed Envelope



COPY

North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management

Beverly Eaves Perdue, Governor
Dee Freeman, Secretary

July 22, 2010

Bret and Susan Watson
3150 Woodleaf Road
Salisbury, NC 28147

Re: Supply Well Sampling Results
3150 Woodleaf Road
Salisbury, Rowan County, North Carolina

Dear Mr. and Mrs. Watson:

On May 25, 2010, June 1, 2010, and June 21, 2010, the Inactive Hazardous Sites Branch (IHSB) collected ground water samples from your water supply well in the field adjacent to your residence. The samples were submitted for laboratory analysis for either pesticides or Volatile Organic compounds (VOCs) as detailed below. VOCs are a group of chemicals used in a variety of industrial and household products, including solvents, lubricants, fuel additives, fire extinguishers, and disinfectants. No pesticides were found in the water from your well. Three VOCs were reported in the samples as detailed below. They were Tetrachloroethene (also called Perchloroethene (PCE) and Perc), Chloroform, and Trichloroethene (TCE). PCE and TCE are used in solvents and degreasers. PCE was commonly used for drycleaning in the past. TCE can also be formed by the breakdown of PCE. Chloroform is used as a disinfectant in treated drinking water and swimming pools. Chloroform can also be formed by the breakdown of other chlorinated VOCs. Copies of the laboratory analytical results for all three sample dates are enclosed. A table showing the detected compounds and their corresponding state and federal regulatory limits can be found on page 2 of this letter.

The May 25 and June 1 samples were collected from the spigot on the well. The May 25 sample was analyzed for VOCs. PCE was reported at a concentration of 11 micrograms per liter ($\mu\text{g/l}$), and Chloroform was reported at a concentration of 0.58 $\mu\text{g/l}$. These results were flagged "P1" by the lab, which means the sample was diluted before being analyzed. No other VOCs were reported above their respective Practical Quantitation Limit (PQL). The PQL is the concentration that must be present for the laboratory to reliably quantify it.

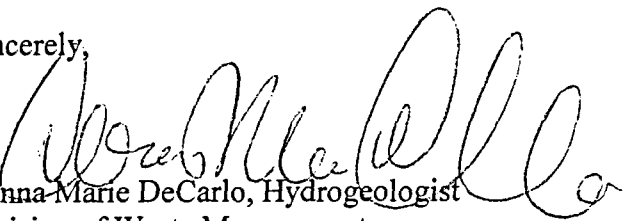
The June 1, 2010 sample was analyzed for Chlorinated Pesticides, Phosphorous-based pesticides, and Nitrogen-based pesticides. The lab report shows that no pesticides were detected above their respective PQL.

Because there were reported detections of Volatile Organic Compounds above their PQLs in the March 25, 2010 sample, a Health Risk Evaluation (HRE) was requested from the IHSB's toxicologist. Completion of

Because the concentration of PCE decreased slightly between March 25 and June 21, and TCE had not been reported from this well before, a HRE has been requested for the June 21 results. The PCE concentration in the June 21 sample exceed the federal drinking water standard of 5 ug/l, so the toxicologist's recommendations are not expected to change based on the June 21 results. I will send you a copy of the HRE for the June 21 sample when it is completed.

Thank you for your cooperation. IHSB is attempting to determine the source of these chemicals and may want to sample your well again in the future. If you have any questions, please call me at (704) 235-2166.

Sincerely,



Donna Marie DeCarlo, Hydrogeologist
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch

Enclosures: HRE, Lab reports

Cc w/encl: Rowan County Health Department

Watson well #2

NC DWO Laboratory Section Results

County: Rowan	Sample ID: AB60018
River Basin	PO Number #: 10G0386
Report To: MROAP	Date Received: 06/22/2010
Collector: D DECARLO	Time Received: 08:15
Region: MRO	Labworks LoginID: HPARKER
Sample Matrix: GROUNDWATER	Report Generated: 6/25/10
Loc. Type: WATER SUPPLY	Date Reported: 06/25/2010
Emergency Yes/No	
COC Yes/No Yes	

NC DENR MRO IHSB JUN 29 2010 RECEIVED DIVISION OF WATER QUALITY DWQ

Loc. Descr.: **3150 WOODLEAF ROAD**

Location ID: **NONCD0002110** Collect Date: **06/21/2010** Collect Time: **12:39** Sample Depth

mp 6/28/10

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		2.7	°C		6/22/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
67-66-3	Chloroform	0.25	0.63	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
79-01-6	Trichloroethene	0.25	0.16 N3	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/>

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110**

Sample ID: **AB60018**

Collect Date: **06/21/2010**

Collect Time: **12:39**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	7.1	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTION

Location code NONCD 000 2110

County Rowan

Quad No _____ Serial No. _____

Lat. _____ Long. _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,

WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): _____

Date 6/21/2010 Time 12:39

Purpose: HPM

Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH 400 _____ Spec. Cond. 94 _____ at 25°C

Temp. 10 _____ °C Odor none

Appearance clear, colorless

Field Analysis By: D. DeCarlo

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L


Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>2.7</u>

Lab Comments _____

TRIP BLANK

NC DWO Laboratory Section Results

County: IREDELL	<div style="text-align: center;">  <p>RECEIVED</p> <p>JUL 14 2010</p> <p>NC DENR MRO IHSB</p> </div>	Sample ID: AB60248
River Basin		PO Number #: 10G0416
Report To: MROAP		Date Received: 06/25/2010
Collector: G ADAMS		Time Received: 08:30
Region: MRO		Labworks LoginID: SMATHIS
Sample Matrix: GROUNDWATER		Report Generated: 7/9/10
Loc. Type: TRIP BLANK		Date Reported: 07/09/2010
Emergency Yes/No		VisitID
COC Yes/No YES	Loc. Descr.: TRIP BLANK	

Location ID: NONCD0002397	Collect Date: 06/23/2010	Collect Time: 15:20	Sample Depth
----------------------------------	---------------------------------	----------------------------	--------------

m/s 7.13.10

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		1.3	°C		6/25/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER

NC DWQ Laboratory Section Results

Location ID: **NONCD0002397**

Sample ID: **AB60248**

Collect Date: **06/23/2010**

Collect Time: **15:20**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	6/29/10	ACHANDLER

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTION

Location code 00NCD0002397

County Iredell

Quad No _____ Serial No. _____
Lat. _____ Long. _____

SAMPLE TYPE

- ☒ Water
☐ Soil
☐ Other
☒ Chain of Custody

SAMPLE PRIORITY

- ☒ Routine
☐ Emergency



Lab Number

Date Received 6-25-10 Time: 0830

Rec'd By: hpm From: Bus, Courier, Hand Del.,

Other:

Data Entry By:

Ck:

Date Reported:

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other:

Shipped by: Bus, Courier, Hand Del., Other:

Collector(s): _____ Date 6/23/2010 Time 1520 Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other:

FIELD ANALYSES

pH 7.4 Spec. Cond. 1014 at 25°C

Temp. 10 °C Odor none noted

Appearance clear, colorless

Field Analysis By: Dec 10

Owner WRO

Location or Site Trip Blank

Description of sampling point

Sampling Method

Remarks Deep Park Bottled water

Sample Interval

LABORATORY ANALYSES

BOD 310	mg/L	Diss. Solids 70300	mg/L	Ag-Silver 46566	ug/L	Organochlorine Pesticides
COD High 340	mg/L	Fluoride 951	mg/L	Al-Aluminum 46557	ug/L	Organophosphorus Pesticides
COD Low 335	mg/L	Hardness: Total 900	mg/L	As-Arsenic 46551	ug/L	Nitrogen Pesticides
Coliform: MF Fecal 31616	/100ml	Hardness (non-carb) 902	mg/L	Ba-Barium 46558	ug/L	Acid Herbicides
Coliform: MF Total 31504	/100ml	Phenols 32730	ug/l	Ca-Calcium 46552	mg/L	PCBs
TOC 680	mg/L	Specific Cond. 95	µMhos/cm	Cd-Cadmium 46559	ug/L	
Turbidity 76	NTU	Sulfate 945	mg/L	Cr-Chromium 46559	ug/L	
Residue, Total Suspended 530	mg/L	Sulfide 745	mg/L	Cu-Copper 46562	ug/L	
				Fe-Iron 46563	ug/L	Semivolatile Organics
pH 403	units	Oil and Grease	mg/L	Hg-Mercury 71900	ug/L	TPH-Diesel Range
Alkalinity to pH 4.5 410	mg/L			K-Potassium 46555	mg/L	
Alkalinity to pH 8.3 415	mg/L			Mg-Magnesium 46554	mg/L	
Carbonate 445	mg/L			Mn-Manganese 46565	ug/L	<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
Bicarbonate 440	mg/L	NH ₃ as N 610	mg/L	Na-Sodium 46556	mg/L	TPH-Gasoline Range
Carbon dioxide 405	mg/L	TKN as N 625	mg/L	Ni-Nickel	ug/L	TPH-BTEX Gasoline Range
Chloride 940	mg/L	NO ₂ + NO ₃ as N 630	mg/L	Pb-Lead 46564	ug/L	
Chromium: Hex 1032	ug/L	P: Total as P 665	mg/L	Se-Selenium	ug/L	
Color: True 80	CU	Nitrate (NO ₃ as N) 620	mg/L	Zn-Zinc 46567	ug/L	
Cyanide 720	mg/L	Nitrite (NO ₂ as N) 615	mg/L			


Lab Comments

LAB USE ONLY

Temperature on arrival (°C): 13

Trip Blank

NC DWO Laboratory Section Results

County: IREDELL	RECEIVED JUL 14 2010  <i>7.13.2010</i>	Sample ID: AB60430
River Basin		PO Number #: 10G0451
Report To: MROUST		Date Received: 07/02/2010
Collector: D DECARLO		Time Received: 08:30
Region: MRO		Labworks LoginID: SMATHIS
Sample Matrix: GROUNDWATER		Report Generated: 7/9/10
Loc. Type: TRIP BLANK	NCDENR MRO IHSB	Date Reported: 07/09/2010
Emergency Yes/No	VisitID	
COC Yes/No YES		
Loc. Descr.: MRO TRIP BLANK		
Location ID: MROAPT B	Collect Date: 06/23/2010	Collect Time: 15:20
		Sample Depth

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		3.3	°C		7/2/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u>_TITLE_</u>	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: **MROAPT**

Sample ID: **AB60430**

Collect Date: **06/23/2010**

Collect Time: **15:20**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	7/2/10	ACHANDLER

CDC

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTION

Location code _____

County Iredell

Quad No _____ Serial No. _____

Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input checked="" type="checkbox"/> Water		<input checked="" type="checkbox"/> Routine	
<input type="checkbox"/> Soil		<input type="checkbox"/> Emergency	
<input type="checkbox"/> Other			
<input checked="" type="checkbox"/> Chain of Custody			

10 G 0451 AB60430
Lab Number _____
Date Received 7-2-10 Time: 8:30
Rec'd By: MP From: Bus, Courier, Hand Del.
Other: _____
Data Entry By: _____ Ck: _____
Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____ Purpose: _____

Collector(s): Donna Decarlo Date 6-23-10 Time 1520 Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH 400 Spec. Cond. 94 at 25°C
Temp. 10 °C Odor _____

Appearance _____

Field Analysis By: _____

LABORATORY ANALYSES

Owner MRO Trip Blank
Location or Site Deer Park Water
Description of sampling point Trip Blank
Sampling Method Grab (Pump, bailer, etc.)
Remarks _____ Sample Interval _____

(Pumping time, air temp., etc.)

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
XX Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>3.3</u>

Lab Comments _____

Watson - filtered
all < PQL

NC DWO Laboratory Section Results

County: Rowan	Sample ID: AB60019
River Basin	PO Number #: 10G0387
Report To: MROAP	Date Received: 06/22/2010
Collector: D DECARLO	Time Received: 08:15
Region: MRO	Labworks LoginID: HPARKER
Sample Matrix: GROUNDWATER	Report Generated: 6/25/10
Loc. Type: WATER SUPPLY	Date Reported: 06/25/2010
Emergency Yes/No	
COC Yes/No Yes	

NC DENR MRO IHSB
JUN 29 2010
RECEIVED
DIVISION OF WATER QUALITY
VisitID
Loc. Descr.: **3150 WOODLEAF ROAD**

Location ID: **NONCD0002110** Collect Date: **06/21/2010** Collect Time: **13:02** Sample Depth

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		2.7	°C		6/22/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110**

Sample ID: **AB60019**

Collect Date: **06/21/2010**

Collect Time: **13:02**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code NONCD 000 2110County Rowan

Quad No _____ Serial No. _____

Lat. _____ Long. _____

SAMPLE TYPE

- ☒
- Water
-
- ☐
- Soil
-
- ☐
- Other

☒ Chain of Custody

SAMPLE PRIORITY

- ☒
- Routine
-
- ☐
- Emergency

3

Lab Number 10603847 AB 60019Date Received 6-22-10 Time: 08:50 (H)Rec'd By: _____ From: Bus, Courier, Hand Del.,Other: Hpm

Data Entry By: _____ Ck: _____

Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,

WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____Collector(s): Donna DeCarlo Date 6/21/2010 Time 1302 Purpose: _____

FIELD ANALYSES

pH 400 _____ Spec. Cond. 94 _____ at 25°CTemp. 10 _____ °C Odor noneAppearance clear, colorlessField Analysis By: DeCarloOwner Susan WatsonLocation or Site 3150 Woodleaf RdDescription of sampling point Kitchen-dispenser w/ filterSampling Method pumpRemarks purged 10 min. for piping (Pump, bailer, etc.) from well to house

(Pumping time, air temp., etc.)

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L


Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>2.7</u>

Lab Comments _____

Trip Blank
all < PQL

NC DWO Laboratory Section Results

County: WAKE	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">NCDENR MRO IHSB</div> <div style="text-align: center;">  <p>RECEIVED JUN 29 2010 visitID</p> </div> </div>	Sample ID: AB60017
River Basin		PO Number #: 10G0385
Report To: MROAP		Date Received: 06/22/2010
Collector: D DECARLO		Time Received: 08:15
Region: MRO		Labworks LoginID: HPARKER
Sample Matrix: GROUNDWATER		Report Generated: 6/25/10
Loc. Type: TRIP BLANK		Date Reported: 06/25/2010
Emergency Yes/No		
COC Yes/No Yes		
Loc. Descr.: DWQ REEDY CREEK LAB		

Location ID: NONCD0002110	Collect Date: 06/21/2010	Collect Time: 12:00	Sample Depth
----------------------------------	---------------------------------	----------------------------	--------------

mp 6/28/10

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		2.7	°C		6/22/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110**

Sample ID: **AB60017**

Collect Date: **06/21/2010**

Collect Time: **12:00**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	6/22/10	ACHANDLER

July 13, 2010

MEMORANDUM

TO: Donna DeCarlo, Hydrogeologist
Superfund Section, IHSB
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygienist
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
3150 Woodleaf Road
Salisbury, Rowan County

A water sample was collected from the water supply well at the subject address on May 25, 2010. The concentration of tetrachloroethene in the well water exceeded its applicable standard. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L).

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well should not be used for drinking and cooking. The water from this well can be used for other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Sample #	Chemical	05/25/2010 Concentrations Ug/l	USEPA MCL Ug/l
AB58844	Chloroform	0.58	80
	Tetrachloroethene	11	5

Shaded area indicates exceedance

Ug/l = Micrograms of contaminant per liter of water.



40051519

RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 3505

1. WELL CONTRACTOR:

Joe Fornecker

Well Contractor (Individual) Name

McCall Brothers Inc.

Well Contractor Company Name

6700 Brookshire Blvd

Street Address

Charlotte

City or Town

NC

State

28216

Zip Code

(704) 399-1506

Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT# 1908

OTHER ASSOCIATED PERMIT#(if applicable) NA

SITE WELL ID #(if applicable) 1

3. WELL USE (Check Applicable Box): Residential Water Supply ☒

DATE DRILLED 11-17-09

TIME COMPLETED 6:00 AM ☐ PM ☒

4. WELL LOCATION:

CITY: Frank Salisbury COUNTY Rowan

3140 Woodleaf Rd, Q37, 28147

(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING: (check appropriate box)

☐ Slope ☐ Valley ☒ Flat ☐ Ridge ☐ Other

LATITUDE 35 42.3219 DMS OR 3X.XXXXXXXX DD

LONGITUDE 80 31.2553 DMS OR 7X.XXXXXXXX DD

Latitude/longitude source: ☒ GPS ☐ Topographic map

(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

5. WELL OWNER:

Kenneth Myers

Owner Name

3145 Woodleaf Rd.

Street Address

Salisbury

City or Town

NC

State

28147

Zip Code

(704) 633-2963

Area code Phone number

6. WELL DETAILS:

a. TOTAL DEPTH: 450

b. DOES WELL REPLACE EXISTING WELL? YES ☒ NO ☐

c. WATER LEVEL Below Top of Casing: 50 FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 1.5 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. YIELD (gpm): 7 METHOD OF TEST air lift

f. DISINFECTION: Type A+H Amount 19225

g. WATER ZONES (depth):

Top 430-435 Bottom 720m Top _____ Bottom _____

Top _____ Bottom _____ Top _____ Bottom _____

Top _____ Bottom _____ Top _____ Bottom _____

Top _____ Bottom _____ Top _____ Bottom _____

7. CASING: Depth Diameter Thickness/Weight Material

Top 41.5 Bottom 102.5 Ft. 6.14 .198 API

Top _____ Bottom _____ Ft. _____ _____

Top _____ Bottom _____ Ft. _____ _____

8. GROUT: Depth Material Method

Top 0 Bottom 102.5 Ft. concrete concrete

Top _____ Bottom _____ Ft. _____

Top _____ Bottom _____ Ft. _____

9. SCREEN: Depth Diameter Slot Size Material

Top _____ Bottom _____ Ft. _____ In. _____ In. _____

Top N/A Bottom A Ft. _____ In. _____ In. _____

Top _____ Bottom _____ Ft. _____ In. _____ In. _____

10. SAND/GRAVEL PACK:

Depth Size Material

Top _____ Bottom _____ Ft. _____

Top N/A Bottom A Ft. _____

Top _____ Bottom _____ Ft. _____

11. DRILLING LOG

Top Bottom Formation Description

0 1.24 Overburden

1.24 1.40 Unconsolidated grey rock

1.40 1.42 grey rock

1.42 1.425 grey rock w/ big quartz

1.425 1.430 grey rock

12. REMARKS:

Will serve house at 3140 Woodleaf

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Joe Fornecker 11-17-09

SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

Joe Fornecker

PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing,
1617 Mail Service Center, Raleigh, NC 27699-161, Phone: (919) 807-6300

Form GW-1a
Rev. 2/09



40051519

RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 3505

1. WELL CONTRACTOR:

Joe Fornecker

Well Contractor (Individual) Name

McCall Brothers Inc.

Well Contractor Company Name

6700 Brookshire Blvd

Street Address

Charlotte

City or Town

NC

State

28216

Zip Code

(704) 399-1506

Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT# 1967

OTHER ASSOCIATED PERMIT#(if applicable) NA

SITE WELL ID # (if applicable) 2

3. WELL USE (Check Applicable Box): Residential Water Supply ☒

DATE DRILLED 11-19-09

TIME COMPLETED 3:00 AM ☐ PM ☒

4. WELL LOCATION:

CITY: Salisbury

COUNTY: Cowan

3159 Woodleaf Rd, 037, 28147

(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING: (check appropriate box)

☐ Slope ☐ Valley ☒ Flat ☐ Ridge ☐ Other

LATITUDE 35 42.32.64 DMS OR 3X.XXXXXXXX DD

LONGITUDE 80 31.26.02 DMS OR 7X.XXXXXXXX DD

Latitude/longitude source: ☒ GPS ☐ Topographic map

(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

5. WELL OWNER

Kenneth Myers

Owner Name

3159 Woodleaf Rd

Street Address

Salisbury

City or Town

NC

State

28147

Zip Code

(704) 633-2963

Area code Phone number

6. WELL DETAILS:

a. TOTAL DEPTH: 450

b. DOES WELL REPLACE EXISTING WELL? YES ☒ NO ☐

c. WATER LEVEL Below Top of Casing: 50 FT.
(Use "*" if Above Top of Casing)

d. TOP OF CASING IS 1.5 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C.0118.

e. YIELD (gpm): 11 METHOD OF TEST air lift

f. DISINFECTION: Type HTH Amount 19.035

g. WATER ZONES (depth):

Top 17.025 Bottom 11.025 Top Bottom

Top Bottom Top Bottom

Top Bottom Top Bottom

Top Bottom Top Bottom

7. CASING: Depth Diameter Thickness/ Weight Material

Top 11.5 Bottom -103.5 Ft. 6 1/4 .188 steel

Top Bottom Ft. in.

Top Bottom Ft. in.

8. GROUT: Depth Material Method

Top 0 Bottom -103.5 Ft. concrete hand pump

Top Bottom Ft. in.

Top Bottom Ft. in.

9. SCREEN: Depth Diameter Slot Size Material

Top Bottom Ft. in. in. in.

Top Bottom Ft. in. in. in.

Top Bottom Ft. in. in. in.

10. SAND/GRAVEL PACK:

Depth Size Material

Top Bottom Ft. in. in.

Top Bottom Ft. in. in.

Top Bottom Ft. in. in.

11. DRILLING LOG

Top Bottom Formation Description

0 1 25 Overburden

25 1 45 unconsolidated grey rock

45 1 420 grey rock

420 1 425 with quartz

425 1 450 grey rock

450 1 450

450 1 450

450 1 450

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COPY
Myers Bios. file
110NCD0002110

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

June 9, 2010

Tom and Beverly Dillard
2800 Woodleaf Road
Salisbury, North Carolina 28147

Re: **Water Supply Well Sample, 2800 Woodleaf Road, Salisbury, Rowan County, North Carolina**
Parcel IDs: 328 066 and 328 100

Dear Mr. and Mrs. Dillard:

On May 25, 2010, I collected a sample from your potable water well. The sample was analyzed for a group of contaminants known as Volatile Organic Compounds (VOCs). VOCs include a variety of chemicals associated with solvents and petroleum products, which were our primary concern for this sampling event. The analysis conducted did not include substances other than VOCs that may occur naturally in groundwater or as a result of human activity, such as metals, nitrates, agricultural chemicals, and bacteria. A copy of the report for your well is enclosed.

The report states that no VOCs were detected in the sample at concentrations above their respective practical quantitation limit (PQL). The PQL is the concentration that must be present in the sample for the laboratory to reliably measure it. The PQLs for this sample were below applicable state and federal regulatory limits for VOCs in drinking water. If you have any questions about the sampling or lab report please email or write to me at the address below, or call me at (704) 663-1699. Thank you for your assistance and cooperation with this project.

Sincerely,

Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosure: laboratory report
cc: Rowan County Health Dept.

610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

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One
North Carolina
Naturally

3MRO?

CHAIN OF CUSTODY (COC) RECORD

Page 1 of 1

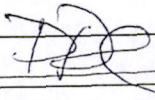
NC DENR/DWQ LABORATORY (check one): ☒ CENTRAL ☐ ARO ☐ WaRO

Incident No. NONCD0002110

Sample collector (print name)
and GW-54 forms completed by:

Sample collector's signature: _____

Field storage conditions and location (when applicable):

Lab Use Only		QUAD. NO.	LOCATION	DATE SAMPLED	TIME SAMPLED	NUMBER OF CONTAINERS
LAB NO.	SAMPLE ID					
59102	1		DwQ Lab - Trip Blank	5/27/2010	PM	3
59103	2		3165 Woodleaf Rd	6/1/2010	0845	5
59104	3		2725 Woodleaf Rd	6/1/2010	0911	4
59105	4		2975 Woodleaf Rd	6/1/2010	0938	4
59106	5		1810 Enon Church Rd	6/1/2010	1010	4
59107	6		3140 Woodleaf Rd	6/1/2010	1115	1
59108	7		3150 Woodleaf Rd	6/1/2010	1116	1
						

Relinquished by (signature):

Date	Time
6/1/2020	1730

Received by (signature):

Date
6-2-10

Time
0830

Relinquished by (signature):

Date	Time
------	------

Received by (signature):

Date _____

Time

Relinquished by (signature):

Date	Time
------	------

Received by (signature):

Date _____

Time

Method of Shipment (check one): State Courier ☒ Hand-delivered ☐ Federal Express ☐ UPS ☐ Other: _____

Security Type and Conditions:

Sealed by:


Broken by:

INTRALABORATORY CHAIN OF CUSTODY - Lab Use Only

INTRALABORATORY CHAIN OF CUSTODY - Lab Use Only						
LAB NUMBERS FROM THROUGH		NUMBER BOTTLES	ANALYSES REQUESTED	RELINQUISHED BY:	RECEIVED BY:	DATE TIME
AB 59103, 59107, 59108	3	Pesticides	H. Morgan	JH	6/2/10	10:12a
AB 59102 AB 59106	19	VOA	H. Morgan	J. R. Fawcett	6/2/10	10:14a
				RECEIVED		
				JUN 04 2010		
				NCDENR MRO IHSB		
				(Signature)		

Watson 3150 Woodleaf
Pesticides

NC DWO Laboratory Section Results

County: ROWAN	 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">NCDENR MRO IHSB</p> <p style="color: red; writing-mode: vertical-rl; transform: rotate(180deg);">JUL 9 2010</p> <p style="color: blue; writing-mode: vertical-rl; transform: rotate(180deg);">RECEIVED</p>	Sample ID: AB59108				
River Basin		PO Number #: 10G0327				
Report To: MROAP		Date Received: 06/02/2010				
Collector: D DECARLO		Time Received: 08:30				
Region: MRO		Labworks LoginID: SMATHIS				
Sample Matrix: GROUNDWATER		Report Generated: 7/7/10				
Loc. Type: WATER SUPPLY		Date Reported: 07/07/2010				
Emergency Yes/No						
COC Yes/No YES	VisitID					
Loc. Descr.: WATSON						
<table border="1" style="width: 100%;"> <tr> <td>Location ID: NONCD0002110MYERSBROS</td> <td>Collect Date: 06/01/2010</td> <td>Collect Time: 11:16</td> <td>Sample Depth</td> </tr> </table>			Location ID: NONCD0002110MYERSBROS	Collect Date: 06/01/2010	Collect Time: 11:16	Sample Depth
Location ID: NONCD0002110MYERSBROS	Collect Date: 06/01/2010	Collect Time: 11:16	Sample Depth			

mp 7.7.10

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		1.4	°C		6/2/10	SMATHIS
PES							
	Chlorinated Pesticides in Liquid		<u>_TITLE_</u>	ug/L	EPA 608	6/7/10	NGOOD
15972-60-8	Alachlor	0.28	Not detected	ug/L	EPA 608	6/7/10	NGOOD
309-00-2	Aldrin	0.06	Not detected	ug/L	EPA 608	6/7/10	NGOOD
1912-24-9	Atrazine	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
319-84-6	BHC-Alpha	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
319-85-7	BHC-Beta	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
319-86-8	BHC_Delta	0.06	Not detected	ug/L	EPA 608	6/7/10	NGOOD
58-89-9	BHC-Gamma (Lindane)	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
57-74-9	Chlordane, Technical	0.5	Not detected	ug/L	EPA 608	6/7/10	NGOOD
5103-71-9	Chlordane, Alpha	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
5103-74-2	Chlordane, Gamma	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
3734-48-3	Chlordene	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
2675-77-6	Chlorneb	0.21	Not detected	ug/L	EPA 608	6/7/10	NGOOD
510-15-6	Chlorobenzilate	0.33	Not detected	ug/L	EPA 608	6/7/10	NGOOD
2921-88-2	Chlorpyrifos	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
1897-45-6	Chlorthalonil	0.2	Not detected	ug/L	EPA 608	6/7/10	NGOOD
1861-32-1	DCPA	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
60-57-1	Dieldrin	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
959-98-8	Endosulfan I	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
33213-65-9	Endosulfan II	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
1031-07-8	Endosulfan sulfate	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
72-20-8	Endrin	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
7421-93-4	Endrin Aldehyde	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
53494-70-5	Endrin Ketone	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
2593-15-9	Ethazole	0.09	Not detected	ug/L	EPA 608	6/7/10	NGOOD
76-44-8	Heptachlor	0.06	Not detected	ug/L	EPA 608	6/7/10	NGOOD
1024-57-3	Heptachlor epoxide	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
118-74-1	Hexachlorobenzene(Pest)	0.015	Not detected	ug/L	EPA 608	6/7/10	NGOOD
121-75-5	Malathion	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
2385-85-5	Mirex	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110MYERSBROS**

Sample ID: **AB59108**

Collect Date: **06/01/2010**

Collect Time: **11:16**

PES

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
39765-80-5	Trans Nonachlor	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
26880-48-8	Oxychlordane	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
52645-53-1	Mixed Permethrin	1.2	Not detected	ug/L	EPA 608	6/7/10	NGOOD
117-18-0	Tecnazene	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
1582-09-8	Trifluralin	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
12674-11-12	Aroclor 1016	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
11104-28-2	Aroclor 1221	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
11141-16-5	Aroclor 1232	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
53469-21-9	Aroclor 1242	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
12672-29-6	Aroclor 1248	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
11097-69-1	Aroclor 1254	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
11096-82-5	Aroclor 1260	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
37324-23-5	Aroclor 1262	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
8001-35-2	Toxaphene	3	Not detected	ug/L	EPA 608	6/7/10	NGOOD
Unidentified peaks by GC/ECD			4	ug/L	EPA 608	6/7/10	NGOOD
Phosphorus based Pesticides in Liquid			_TITLE_	ug/L	EPA 614	6/4/10	NGOOD
786-19-6	Carbophenothion	0.8	Not detected	ug/L	EPA 614	6/4/10	NGOOD
78-48-8	DEF (Oxidized merphos)	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
126-75-0	Demeton	0.8	Not detected	ug/L	EPA 614	6/4/10	NGOOD
333-41-5	Diazinon	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
60-51-5	Dimethoate	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
298-04-4	Disulfoton	0.8	Not detected	ug/L	EPA 614	6/4/10	NGOOD
2497-06-5	Disulfoton Sulfone	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
2497-07-6	Disulfoton Sulfoxide	10	Not detected	ug/L	EPA 614	6/4/10	NGOOD
2104-64-5	EPN	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
563-12-2	Ethion	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
13194-48-4	Ethoprop	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
55-38-9	Fenthion	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
115-90-2	Fensulfothion	2.2	Not detected	ug/L	EPA 614	6/4/10	NGOOD
6923-22-4	Monocrotophos	1	Not detected	ug/L	EPA 614	6/4/10	NGOOD
300-76-5	Naled	2.7	Not detected	ug/L	EPA 614	6/4/10	NGOOD
56-38-2	Ethyl Parathion	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
298-00-0	Methyl Parathion	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
298-02-2	Phorate	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
299-84-3	Ronnel	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
3689-24-5	Sulfotepp	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
13071-79-9	Terbufos	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
Unidentified peaks by GC/FPD			0	ug/L	EPA 614	6/4/10	NGOOD
Nitrogen based Pesticides in Liquid			_TITLE_	ug/L	EPA 619	6/17/10	NGOOD
834-12-8	Ametryn	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
1610-17-9	Atraton	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
314-40-9	Bromacil	15	Not detected	ug/L	EPA 619	6/17/10	NGOOD

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NC DWQ Laboratory Section Results

Location ID: **NONCD0002110MYERSBROS**

Sample ID: **AB59108**

Collect Date: **06/01/2010**

Collect Time: **11:16**

PES

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
23184-66-9	Butachlor	15	Not detected	ug/L	EPA 619	6/17/10	NGOOD
2008-41-5	Butylate	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
101-21-3	chlorpropham	18	Not detected	ug/L	EPA 619	6/17/10	NGOOD
21725-46-2	Cyanazine	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
1134-23-2	Cycloate	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
957-51-7	Diphenamid	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
759-94-4	EPTC(Eptam)	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
51235-04-2	Hexazinone	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
51218-45-2	Metolachlor	18	Not detected	ug/L	EPA 619	6/17/10	NGOOD
21087-64-9	Metribuzin	18	Not detected	ug/L	EPA 619	6/17/10	NGOOD
2212-67-1	Molinate	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
15299-99-7	Napropamide	15	Not detected	ug/L	EPA 619	6/17/10	NGOOD
27314-13-2	Norflurazon	10	Not detected	ug/L	EPA 619	6/17/10	NGOOD
1114-71-2	Pebulate	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
1610-18-0	Prometon	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
7287-19-6	Prometryn	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
1114-71-2	Pronamide	33	Not detected	ug/L	EPA 619	6/17/10	NGOOD
139-40-2	Propazine	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
1014-70-6	Simetryn	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
34014-18-1	Tebuthiuron	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
41814-78-2	Tricyclazole	24	Not detected	ug/L	EPA 619	6/17/10	NGOOD
1929-77-7	Vernolate	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
53-19-0	DDD 2,4	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
72-54-8	DDD 4,4	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
3424-82-6	DDE 2,4	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
72-55-9	DDE 4,4	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
789-02-6	DDT 2,4	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
50-29-3	DDT 4,4	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
62-73-7	Dichlorvos	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
60168-88-9	Fenarimol	12	Not detected	ug/L	EPA 619	6/17/10	NGOOD
59756-60-4	Fluridone	50	Not detected	ug/L	EPA 619	6/17/10	NGOOD
72-43-5	Methoxychlor 4,4	0.3	Not detected	ug/L	EPA 608	6/7/10	NGOOD
000950-35-6	Methyl Paraoxon	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
7786-34-7	Mevinphos	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
1918-16-7	Propachlor	0.54	Not detected	ug/L	EPA 608	6/7/10	NGOOD
5902-51-2	Terbacil	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
886-50-0	Terbutryn	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
961-11-5	Tetrachlovinphos	1.5	Not detected	ug/L	EPA 619	6/17/10	NGOOD
43121-43-3	Triadimefon	6	Not detected	ug/L	EPA 619	6/17/10	NGOOD
Unidentifieds detected by GC/NPD			0	ug/L	EPA 619	6/17/10	NGOOD

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GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code NONCD 000 2 110 Myers Bros.County Rowan

Quad No. _____ Serial No. _____

Lat. _____ Long. _____

SAMPLE TYPE

- ☒
- Water
-
- ☐
- Soil
-
- ☐
- Other

☒ Chain of Custody

SAMPLE PRIORITY

- ☒
- Routine
-
- ☐
- Emergency

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): _____ Date 6/1/2010 Time 1116 Purpose: _____

FIELD ANALYSES

pH ₄₀₀ _____ Spec. Cond. ₉₄ _____ at 25°CTemp. ₁₀ _____ °C Odor noneAppearance clear, colorlessField Analysis By: D. DeCarloOwner WatsonLocation or Site 3150 Woodleaf RdDescription of sampling point spigot at well headSampling Method pumpRemarks purged 15 minutes (Pump, bailer, etc.) no resid chlorine detected

Sample Interval _____

(Pumping time, air temp., etc.)

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L


Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

<input checked="" type="checkbox"/>	Organochlorine Pesticides
<input checked="" type="checkbox"/>	Organophosphorus Pesticides
<input checked="" type="checkbox"/>	Nitrogen Pesticides
	Acid Herbicides
	PCBs
	Semivolatile Organics
	TPH-Diesel Range
	Volatile Organics (VOA bottle)
	TPH-Gasoline Range
	TPH-BTEX Gasoline Range
<u>LAB USE ONLY</u>	
Temperature on arrival (°C): 1.4	

Lab Comments _____

Myers Bros. Site well
3165 Woodleaf

NC DWO Laboratory Section Results

County: ROWAN	 <div style="writing-mode: vertical-rl; transform: rotate(180deg);">NCDENR MRO IHSB</div>	Sample ID: AB59103
River Basin		PO Number #: 10G0322
Report To: MROAP		Date Received: 06/02/2010
Collector: D DECARLO		Time Received: 08:30
Region: MRO		Labworks LoginID: SMATHIS
Sample Matrix: GROUNDWATER		Report Generated: 7/1/10
Loc. Type: WATER SUPPLY		Date Reported: 07/01/2010
Emergency Yes/No		VisitID
COC Yes/No YES	Loc. Descr.: KEN MYERS	

Location ID: MYERSBROSGINNONCD0002110	Collect Date: 06/01/2010	Collect Time: 08:45	Sample Depth
--	---------------------------------	----------------------------	--------------

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		1.4	°C		6/2/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u> TITLE </u>	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
67-66-3	Chloroform	0.25	0.74	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	0.49	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

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For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: MYERSBROSGINNONCD0002110

Sample ID: AB59103

Collect Date: 06/01/2010

Collect Time:: 08:45

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

PES

	Chlorinated Pesticides in Liquid		<u>_TITLE_</u>	ug/L	EPA 608	6/7/10	NGOOD
15972-60-8	Alachlor	0.28	Not detected	ug/L	EPA 608	6/7/10	NGOOD
309-00-2	Aldrin	0.06	Not detected	ug/L	EPA 608	6/7/10	NGOOD
1912-24-9	Atrazine	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
319-84-6	BHC-Alpha	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
319-85-7	BHC-Beta	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
319-86-8	BHC_Delta	0.06	Not detected	ug/L	EPA 608	6/7/10	NGOOD
58-89-9	BHC-Gamma (Lindane)	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
57-74-9	Chlordane, Technical	0.5	Not detected	ug/L	EPA 608	6/7/10	NGOOD
5103-71-9	Chlordane, Alpha	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD

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For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist#Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: MYERSBROSGINNONCD0002110

Sample ID: AB59103

Collect Date: 06/01/2010

Collect Time:: 08:45

PES

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
5103-74-2	Chlordane, Gamma	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
3734-48-3	Chlordene	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
2675-77-6	Chlorneb	0.21	Not detected	ug/L	EPA 608	6/7/10	NGOOD
510-15-6	Chlorobenzilate	0.33	Not detected	ug/L	EPA 608	6/7/10	NGOOD
2921-88-2	Chlorpyrifos	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
1897-45-6	Chlorthalonil	0.2	Not detected	ug/L	EPA 608	6/7/10	NGOOD
1861-32-1	DCPA	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
60-57-1	Dieldrin	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
959-98-8	Endosulfan I	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
33213-65-9	Endosulfan II	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
1031-07-8	Endosulfan sulfate	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
72-20-8	Endrin	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
7421-93-4	Endrin Aldehyde	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
53494-70-5	Endrin Ketone	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
2593-15-9	Ethazole	0.09	Not detected	ug/L	EPA 608	6/7/10	NGOOD
76-44-8	Heptachlor	0.06	Not detected	ug/L	EPA 608	6/7/10	NGOOD
1024-57-3	Heptachlor epoxide	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
118-74-1	Hexachlorobenzene(Pest)	0.015	Not detected	ug/L	EPA 608	6/7/10	NGOOD
121-75-5	Malathion	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
2385-85-5	Mirex	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
39765-80-5	Trans Nonachlor	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
26880-48-8	Oxychlordane	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
52645-53-1	Mixed Permethrin	1.2	Not detected	ug/L	EPA 608	6/7/10	NGOOD
117-18-0	Tecnazene	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
1582-09-8	Trifluralin	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
12674-11-12	Aroclor 1016	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
11104-28-2	Aroclor 1221	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
11141-16-5	Aroclor 1232	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
53469-21-9	Aroclor 1242	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
12672-29-6	Aroclor 1248	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
11097-69-1	Aroclor 1254	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
11096-82-5	Aroclor 1260	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
37324-23-5	Aroclor 1262	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
8001-35-2	Toxaphene	3	Not detected	ug/L	EPA 608	6/7/10	NGOOD
	Unidentified peaks by GC/ECD	0		ug/L	EPA 608	6/7/10	NGOOD
	Phosphorus based Pesticides in Liquid		<u> TITLE </u>	ug/L	EPA 614	6/4/10	NGOOD
786-19-6	Carbophenothion	0.8	Not detected	ug/L	EPA 614	6/4/10	NGOOD
78-48-8	DEF (Oxidized merphos)	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
126-75-0	Demeton	0.8	Not detected	ug/L	EPA 614	6/4/10	NGOOD
333-41-5	Diazinon	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
60-51-5	Dimethoate	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
298-04-4	Disulfoton	0.8	Not detected	ug/L	EPA 614	6/4/10	NGOOD

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For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: MYERSBROSGINNONCD0002110

Sample ID: AB59103

Collect Date: 06/01/2010

Collect Time: 08:45

PES

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
2497-06-5	Disulfoton Sulfone	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
2497-07-6	Disulfoton Sulfoxide	10	Not detected	ug/L	EPA 614	6/4/10	NGOOD
2104-64-5	EPN	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
563-12-2	Ethion	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
13194-48-4	Ethoprop	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
55-38-9	Fenthion	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
115-90-2	Fensulfothion	2.2	Not detected	ug/L	EPA 614	6/4/10	NGOOD
6923-22-4	Monocrotophos	1	Not detected	ug/L	EPA 614	6/4/10	NGOOD
300-76-5	Naled	2.7	Not detected	ug/L	EPA 614	6/4/10	NGOOD
56-38-2	Ethyl Parathion	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
298-00-0	Methyl Parathion	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
298-02-2	Phorate	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
299-84-3	Ronnel	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
3689-24-5	Sulfotepp	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
13071-79-9	Terbufos	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
Unidentified peaks by GC/FPD			0	ug/L	EPA 614	6/4/10	NGOOD
Nitrogen based Pesticides in Liquid			<u>_TITLE_</u>	ug/L	EPA 619	6/18/10	NGOOD
834-12-8	Ametryn	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
1610-17-9	Atraton	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
314-40-9	Bromacil	15	Not detected	ug/L	EPA 619	6/18/10	NGOOD
23184-66-9	Butachlor	15	Not detected	ug/L	EPA 619	6/18/10	NGOOD
2008-41-5	Butylate	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
101-21-3	chlorpropham	18	Not detected	ug/L	EPA 619	6/18/10	NGOOD
21725-46-2	Cyanazine	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
1134-23-2	Cycloate	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
957-51-7	Diphenamid	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
759-94-4	EPTC(Eptam)	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
51235-04-2	Hexazinone	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
51218-45-2	Metolachlor	18	Not detected	ug/L	EPA 619	6/18/10	NGOOD
21087-64-9	Metribuzin	18	Not detected	ug/L	EPA 619	6/18/10	NGOOD
2212-67-1	Molinate	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
15299-99-7	Napropamide	15	Not detected	ug/L	EPA 619	6/18/10	NGOOD
27314-13-2	Norflurazon	10	Not detected	ug/L	EPA 619	6/18/10	NGOOD
1114-71-2	Pebulate	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
1610-18-0	Prometon	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
7287-19-6	Prometryn	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
1114-71-2	Pronamide	33	Not detected	ug/L	EPA 619	6/18/10	NGOOD
139-40-2	Propazine	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
1014-70-6	Simetryn	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
34014-18-1	Tebuthiuron	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
41814-78-2	Tricyclazole	24	Not detected	ug/L	EPA 619	6/18/10	NGOOD
1929-77-7	Vernolate	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD

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For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: MYERSBROSGINNONCD0002110

Sample ID: AB59103

Collect Date: 06/01/2010

Collect Time:: 08:45

PES

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
53-19-0	DDD 2,4	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
72-54-8	DDD 4,4	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
3424-82-6	DDE 2,4	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
72-55-9	DDE 4,4	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
789-02-6	DDT 2,4	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
50-29-3	DDT 4,4	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
62-73-7	Dichlorvos	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
60168-88-9	Fenarimol	12	Not detected	ug/L	EPA 619	6/18/10	NGOOD
59756-60-4	Fluridone	50	Not detected	ug/L	EPA 619	6/18/10	NGOOD
72-43-5	Methoxychlor 4,4	0.3	Not detected	ug/L	EPA 608	6/7/10	NGOOD
000950-35-6	Methyl Paraoxon	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
7786-34-7	Mevinphos	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
1918-16-7	Propachlor	0.54	Not detected	ug/L	EPA 608	6/7/10	NGOOD
5902-51-2	Terbacil	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
886-50-0	Terbutryn	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
961-11-5	Tetrachlovinphos	1.5	Not detected	ug/L	EPA 619	6/18/10	NGOOD
43121-43-3	Triadimefon	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
Unidentifieds detected by GC/NPD			0	ug/L	EPA 619	6/18/10	NGOOD

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTION

Lat. _____ Long. _____

Collector(s): DeCarlo / Alvalle

Chain of Custody

☒ Routine
☐ Emergency

Other: HPM

Data Entry By: _____ Ck: _____

Date Reported: _____

FIELD ANALYSES

FIELD ANALYSES
pH ₄₀₀ _____ Spec. Cond.₉₄ _____ at 25°C

Temp. 10 _____ °C Odor none

Appearance clear, colorless

Field Analysis By: Donna DeCarlo

Purpose:

Purpose: 0845 Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____
(circle one)

Owner Ken Myers

Location or Site Muery Bros. Gin 3165 Woodleaf Rd Salisbury

Description of sampling point Spider on wall at Myers Bros. Gln

Sampling Method Pump (Pump, bailer, etc.) no resid. cleaning detected

Remarks pumped 15 min. w/ hose + 1 min. w/o ^(Pump, bailer, etc.) no resid. chlorine detected
_(Pumping time, air temp., etc.)

LABORATORY ANALYSES

LABORATORY ANALYSES	
	BOD 310 mg/L
	COD High 340 mg/L
	COD Low 335 mg/L
	Coliform: MF Fecal 31616 /100ml
	Coliform: MF Total 31504 /100ml
	TOC 680 mg/L
	Turbidity 76 NTU
	Residue, Total Suspended 530 mg/L
	pH 403 units
	Alkalinity to pH 4.5 410 mg/L
	Alkalinity to pH 8.3 415 mg/L
	Carbonate 445 mg/L
	Bicarbonate 440 mg/L
	Carbon dioxide 405 mg/L
	Chloride 940 mg/L
	Chromium: Hex 1032 ug/L
	Color: True 80 CU
	Cyanide 720 mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

<input checked="" type="checkbox"/>	Organochlorine Pesticides
<input checked="" type="checkbox"/>	Organophosphorus Pesticides
<input checked="" type="checkbox"/>	Nitrogen Pesticides
	Acid Herbicides
	PCBs
	Semivolatile Organics
	TPH-Diesel Range
<input checked="" type="checkbox"/>	Volatile Organics (VOA bottle)
	TPH-Gasoline Range
	TPH-BTEX Gasoline Range
LAB USE ONLY	
Temperature on arrival (°C): 14	

Lab Comments

NC DWO Laboratory Section Results

Dale Myers
1810 Enon Church

County: **ROWAN**
River Basin:
Report To: **MROAP**
Collector: **D DECARLO**
Region: **MRO**
Sample Matrix: **GROUNDWATER**
Loc. Type: **WATER SUPPLY**
Emergency Yes/No:
COC Yes/No: **YES**

NC DENR MRO IHSB

JUN 21 2010

RECEIVED



1
Hpm
6-16-10

Sample ID: **AB59106**
PO Number #: **10G0325**
Date Received: **06/02/2010**
Time Received: **08:30**
Labworks LoginID: **SMATHIS**
Report Generated: **6/15/10**
Date Reported: **06/15/2010**

Loc. Descr.: **DALE MYERS**

Location ID: NONCD0002110MYERSBROSGIN	Collect Date: 06/01/2010	Collect Time: 10:10	Sample Depth:
--	---------------------------------	----------------------------	---------------

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB	Sample temperature at receipt by lab		1.4	°C		6/2/10	SMATHIS
VOL	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
67-66-3	Chloroform	0.25	0.25 N2	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

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For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110MYERSBROSGIN** Sample ID: **AB59106** Collect Date: **06/01/2010** Collect Time: **10:10**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

Sample Comments

VOL: N2 - Compound is present; but unable to acheive good quality matc

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code NONCD 0002110 Myers Bros. GinCounty Rowan

Quad No _____ Serial No. _____

Lat. _____ Long. _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____Shipped by: Bus, Courier, Hand Del., Other: _____Collector(s): D. DeCarloDate 6/1/2010 Time 1010 Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH 400 Spec. Cond. 94 at 25°C
Temp. 10 °C Odor noneAppearance clear, colorlessField Analysis By: D. DeCarlo

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 52730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>1.4</u>

Lab Comments _____

Dale Myers "up gradient"

NC DWO Laboratory Section Results

County:	ROWAN	Sample ID:	AB59106
River Basin:		PO Number #	10G0325
Report To:	MROAP	Date Received:	06/02/2010
Collector:	D DECARLO	Time Received:	08:30
Region:	MRO	Labworks LoginID	SMATHIS
Sample Matrix:	GROUNDWATER	Report Generated:	6/15/10
Loc. Type:	WATER SUPPLY	Date Reported:	06/15/2010
Emergency Yes/No			
COC Yes/No	YES		

NC DENR MRO IHSB JUN 29 2010 RECEIVED DIVISION OF WATER QUALITY DWQ

Loc. Descr.: DALE MYERS

Location ID:	NONCD0002110MYERSBROSGIN	Collect Date:	06/01/2010	Collect Time:	10:10	Sample Depth:	
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CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB	Sample temperature at receipt by lab		1.4	°C		6/2/10	SMATHIS
VOL	Volatile Organics in liquid		_TITLE_	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
67-66-3	Chloroform	0.25	0.25 N2	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes>

REVISED REPORT
DATE: 6/2/10 INITIALS: [Signature]

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110MYERSBROSGIN**

Sample ID: **AB59106**

Collect Date: **06/01/2010**

Collect Time: **10:10**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

Sample Comments

VOL: N2 - Compound is present; but unable to acheive good quality matc

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code NONCD 0002110 Myers Bros. GinCounty Rowan

Quad No _____ Serial No. _____

Lat. _____ Long. _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,

WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): _____

Date 6/1/2010 Time 1010

Purpose:

Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH ₄₀₀ _____ Spec. Cond. ₉₄ _____ at 25°CTemp. ₁₀ _____ °C Odor noneAppearance clear, colorlessField Analysis By: D. DeCarlo

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>1.4</u>

Lab Comments _____

NC DENR/DWQ Chemistry Laboratory
Sample Anomaly Report (SAR)

Report to: MRO

Lab Number: 1060325 Sample ID: AB59106

Station Location: 1810 Enon church rd County: Rowan Region: MRO

Sample Type: W/VOA Priority: Routine coc Collector: D. DeCarlo

Date collected: 6/1/10 Date received: 6/2/10 Date analyzed: 1/1/10

Affected Parameter(s): VOA 205

Analytical Area (check one):

- ☐ WCH ☐ METALS ☒ VOA ☐ SVOA
☐ NUT ☐ MICRO ☐ PEST

The following anomalies occurred (check all that apply):

- ☒ Samples
- ☐ Improper container used
 - ☒ VOA vials with headspace 1 of 4
 - ☐ Sulfide samples with headspace
 - ☐ Samples not received, but listed on fieldsheet
 - ☐ Samples received, but not listed on fieldsheet
 - ☐ Mislabelled as to tests, preservatives, etc.
 - ☐ Holding time expired
 - ☐ Prior to receipt in lab
 - ☐ After receipt in lab
 - ☐ Insufficient quantity for analysis
 - ☐ Sample exhibits gross non-homogeneity
 - ☐ Sample not chemically preserved properly
 - ☐ pH out of range (record pH): _____
 - ☐ Improper chemical
 - ☐ Residual chlorine present in sample
 - ☐ Color interference
 - ☐ Heavy emulsion formed during extraction
 - ☐ Sample bottle broken in lab - no reportable results
- ☐ Quality Control
- ☐ Instrument failure - no reportable results
 - ☐ Analyst error - no reportable results
 - ☐ Surrogates
 - ☐ None added
 - ☐ Recovery outside acceptance limits
 - ☐ Spike recovery
 - ☐ None added
 - ☐ Recovery outside acceptance limits
 - ☐ Failed to meet criteria for precision
 - ☐ Internal standards
 - ☐ Blank contamination
 - ☐ QC data reported outside of controls (e.g., QCS, LCS)
 - ☐ Incorrect procedure used
 - ☐ SOP intentionally modified with QA and Branch Head approval
 - ☐ Invalid instrument calibration
 - ☐ Elevated detection limits due to:
 - ☐ Insufficient sample volume

☐ Other (specify): _____

Comments: _____

Corrective Action:

- ☐ Samples were rejected by DWQ Lab. Authorized by: _____ Date: 1/1/10
- ☐ Accepted and analyzed after notifying the collector or contact person and determining that another sample could not be secured.
- ☐ Sample(s) on hold until: _____
- ☐ Sample reported with qualification. Data qualification code used: _____
- ☒ Other (explain): Analyzed vial without headspace - no qualifier

Notification Required (circle one)? Yes No

Person Contacted: _____ Date: 1/1/10

Form completed by: [Signature] Date: 6/2/10

Chemist Review (initial):
IOCHEM
METALS

☐ PEST
☒ VOA VA

☐ SVOA _____

Branch Head Review (initial): [Signature]
QA/QC Review (initial): [Signature]
QAF-008-2(SAR) 6/15/10

Logged into database by (initial): Rud 6/25/10
rev. 11/04

Myers - Rentals
2975 Woodleaf

NC DWO Laboratory Section Results

County: ROWAN	Sample ID: AB59105
River Basin	PO Number #: 10G0324
Report To: MROAP	Date Received: 06/02/2010
Collector: D DECARLO	Time Received: 08:30 m/a 4/9/10
Region: MRO	Labworks LoginID: SMATHIS
Sample Matrix: GROUNDWATER	Report Generated: 6/8/10
Loc. Type: WATER SUPPLY	Date Reported: 06/08/2010
Emergency Yes/No	
COC Yes/No YES	
VisitID	
Loc. Descr.: KEN MYERS	

Location ID: NONCD0002110MYERSBROS	Collect Date: 06/01/2010	Collect Time: 09:38	Sample Depth
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JUN 14 2010

RECEIVED

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		1.4	°C		6/2/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: NONCD0002110MYERSBROS

Sample ID: AB59105

Collect Date: 06/01/2010

Collect Time:: 09:38

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wo/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wo/lab/staffinfo/techassist>>

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code W0NCD0002110 Myers Bros.County Rowan

Quad No _____ Serial No. _____

Lat. _____ Long. _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): DeCarlo/Alvalle Date 6/1/2010 Time 0938 Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH ₄₀₀ _____ Spec. Cond. ₉₄ _____ at 25°CTemp. ₁₀ _____ °C Odor noneAppearance clear, colorlessField Analysis By: DeCarlo

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>14</u>

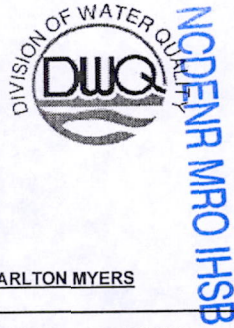
Lab Comments _____

Carlton Myers
2725 Woodleaf

NC DWO Laboratory Section Results

County: ROWAN	Sample ID: AB59104
River Basin	PO Number #: 10G0323
Report To: MROAP	Date Received: 06/02/2010
Collector: D DECARLO	Time Received: 08:30 7/2 4/9/10
Region: MRO	Labworks LoginID: SMATHIS
Sample Matrix: GROUNDWATER	Report Generated: 6/8/10
Loc. Type: WATER SUPPLY	Date Reported: 06/08/2010
Emergency Yes/No	
COC Yes/No YES	
VisitID	
Loc. Descr.: CARLTON MYERS	

Location ID: MYERSBROSGINNONCD0002110	Collect Date: 06/01/2010	Collect Time: 09:11	Sample Depth
--	---------------------------------	----------------------------	--------------



JUN 14 2010

RECEIVED

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		1.4	°C		6/2/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: MYERSBROSGINNONCD0002110

Sample ID: AB59104

Collect Date: 06/01/2010

Collect Time:: 09:11

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTION

Location code Myers Bros Gin NONCDOUD2110

County Roxas

Quad No _____ Serial No. _____

Lat. _____ Long. _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____ Purpose: _____

Collector(s): DeCarlo / Alvalle Date 6/1/2010 Time 0911 Baseline, Complaint Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH 400 _____ Spec. Cond. 94 _____ at 25°C

Temp. 10 _____ °C Odor none

Appearance clear, colorless

Field Analysis By: D. DeCarlo

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L


Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>1.4</u>

Lab Comments _____

NC DWO Laboratory Section Results

Myers - Kenials
2773 Woodland

County: ROWAN	 <div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">DIVISION OF WATER QUALITY</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">NORTH CAROLINA</div> </div>	Sample ID: AB59105	
River Basin:		PO Number #: 10G0324	
Report To: MROAP		Date Received: 06/02/2010	
Collector: D DECARLO		Time Received: 08:30	
Region: MRO		Labworks LoginID: SMATHIS	
Sample Matrix: GROUNDWATER		Report Generated: 6/8/10	
Loc. Type: WATER SUPPLY		Date Reported: 06/08/2010	
Emergency Yes/No:	VisitID:		
COC Yes/No: YES	Loc. Descr.: KEN MYERS		

Location ID: **NONCD0002110MYERSBROS**

Collect Date: **06/01/2010**

Collect Time: **09:38**

Sample Depth:

JUN 14 2010

RECEIVED

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		1.4	°C		6/2/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

Laboratory Section>>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.com/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.com/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110MYERSBROS** Sample ID: **AB59105** Collect Date: **06/01/2010** Collect Time: **09:38**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code W0NCT0002110 Myers Bvds.County RowanQuad No. _____ Serial No. _____
Lat. _____ Long. _____Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____Shipped by: Bus, Courier, Hand Del., Other: _____Collector(s): DeCarlo/Alvalle Date 6/1/2010 Time 0938 Purpose: _____

FIELD ANALYSES

pH 400 _____ Spec. Cond. 94 _____ at 25°CTemp. 10 _____ °C Odor noneAppearance clear, colorlessField Analysis By: DeCarlo

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

	Organochlorine Pesticides
	Organophosphorus Pesticides
	Nitrogen Pesticides
	Acid Herbicides
	PCBs
	Semivolatile Organics
	TPH-Diesel Range
<input checked="" type="checkbox"/>	Volatile Organics (VOA bottle)
	TPH-Gasoline Range
	TPH-BTEX Gasoline Range
<u>LAB USE ONLY</u>	
Temperature on arrival (°C):	

14

Lab Comments _____

Carlton Myers
2725 4th St

NC DWO Laboratory Section Results

County: ROWAN	Sample ID: AB59104
River Basin	PO Number # 10G0323
Report To MROAP	Date Received: 06/02/2010
Collector: D DECARLO	Time Received: 08:30 7/4/10
Region: MRO	Labworks LoginID: SMATHIS
Sample Matrix: GROUNDWATER	Report Generated: 6/8/10
Loc. Type: WATER SUPPLY	Date Reported: 06/08/2010
Emergency Yes/No	
COC Yes/No YES	
VisitID	
Loc. Descr.: CARLTON MYERS	
Location ID: MYERSBROSGINNONCD0002110	Collect Date: 06/01/2010
Collect Time: 09:11	Sample Depth



JUN 14 2010

RECEIVED

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		1.4	°C		6/2/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/qtab/staffinfo/techassist/Data/Qualifier_Codes.shtml

NC DWQ Laboratory Section Results

Location ID: MYERSBROSGINNONCD0002110 Sample ID: AB59104 Collect Date: 06/01/2010 Collect Time: 09:11

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code Myers Bros Gin NONCDOUD2110County Roxen

Quad No _____ Serial No. _____

Lat. _____ Long. _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____Shipped by: Bus, Courier, Hand Del., Other: _____Collector(s): DeCarlo / Alvalle Date 6/1/2010 Time 0911 Purpose: Baseline, Complaint Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH ₄₀₀ _____ Spec. Cond. ₉₄ _____ at 25°CTemp. ₁₀ _____ °C Odor noneAppearance clear, colorlessField Analysis By: D. DeCarlo

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L


Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>1.4</u>

Lab Comments _____

CHAIN OF CUSTODY (COC) RECORD

NC DENR/DWQ LABORATORY (check one): ☒ CENTRAL ☐ ARO ☐ WaRO

For Investigation of: Trip Blank Project - Bottled water Incident No. NA

Sample collector (print name) Donna DeCarlo
and GW-54 forms completed by: Sample collector's signature: 

Field storage conditions and location (when applicable):

[illegible]

Relinquished by (signature): <i>[Signature]</i>	Date 6/1/2010	Time 1730	Received by (signature): <i>[Signature]</i>	Date 6.2.10	Time 0830
Relinquished by (signature):	Date	Time	Received by (signature):	Date	Time
Relinquished by (signature):	Date	Time	Received by (signature):	Date	Time

Method of Shipment (check one): State Courier ☒ Hand-delivered ☐ Federal Express ☐ UPS ☐ Other: _____

Security Type and Conditions:	Sealed by: <i>David Neal G</i>	Broken by: <i>JP Morgan</i>
-------------------------------	--------------------------------	-----------------------------

INTRALABORATORY CHAIN OF CUSTODY - Lab Use Only

[illegible]

NC DWO Laboratory Section Results

County:		Sample ID:	AB59109
River Basin:		PO Number #	10G0328
Report To:	MROAP	Date Received:	06/02/2010
Collector:	D DECARLO	Time Received:	08:30 mps 6/9/10
Region:	MRO	Labworks LoginID	SMATHIS
Sample Matrix:	GROUNDWATER	Report Generated:	6/8/10
Loc. Type:		Date Reported:	06/08/2010
Emergency Yes/No			
COC Yes/No	YES		
VisitID			
Loc. Descr.:	BOTTLED		
Location ID:	MROAPNLC	Collect Date:	06/01/2010
		Collect Time:	15:24
		Sample Depth	



JUN 14 2010

RECEIVED

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		1.4	°C		6/2/10	SMATHIS
VOL							
	Volatile Organics in liquid		_TITLE_	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: **MROAPNLC**

Sample ID: **AB59109**

Collect Date: **06/01/2010**

Collect Time: **15:24**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

COC

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTION

Location code _____

County _____

Quad No _____ Serial No. _____

Lat. _____ Long. _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO

WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: SP

Collector(s): D. DeCarlo

Date 6/1/2010 Time 1524 Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust Other: _____
(circle one)

FIELD ANALYSES

pH ₄₀₀ _____ Spec. Cond. ₉₄ _____ at 25°C

Temp. ₁₀ _____ °C Odor _____

Appearance _____

Field Analysis By: _____

Owner Bottled

Location or Site Deer Park

Description of sampling point _____

Sampling Method _____

Remarks _____

(Pump, bailer, etc.)

Sample Interval _____

(Pumping time, air temp., etc.)

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>14</u>

Lab Comments _____

NC DWO Laboratory Section Results

Poland Springs
Bottled Water

County:		Sample ID:	AB59110
River Basin:		PO Number #	10G0329
Report To:	MROAP	Date Received:	06/02/2010
Collector:	D DECARLO	Time Received:	08:30
Region:	MRO	Labworks LoginID	SMATHIS
Sample Matrix:	GROUNDWATER	Report Generated:	6/8/10
Loc. Type:	TRIP BLANK	Date Reported:	06/08/2010
Emergency Yes/No			
COC Yes/No	YES		
VisitID			
Loc. Descr.:			
Location ID:	MROAPNLC	Collect Date:	06/01/2010
		Collect Time:	15:28
		Sample Depth	



RECEIVED

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB	Sample temperature at receipt by lab		1.4	°C		6/2/10	SMATHIS
VOL	Volatile Organics in liquid		_TITLE_	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/>>

NC DWQ Laboratory Section Results

Location ID: MROAPNLC

Sample ID: AB59110

Collect Date: 06/01/2010

Collect Time:: 15:28

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wn/lab/staffinfo/techassist/Data_Qualifier_Codes <http://portal.ncdenr.org/web/wn/lab/staffinfo/techassist>

NC DWO Laboratory Section Results

County:		Sample ID:	AB59111
River Basin:		PO Number #	10G0330
Report To:	MROAP	Date Received:	06/02/2010
Collector:	D DECARLO	Time Received:	08:30
Region:	MRO	Labworks LoginID	SMATHIS
Sample Matrix:	GROUNDWATER	Report Generated:	6/15/10
Loc. Type:	TRIP BLANK	Date Reported:	06/15/2010
Emergency Yes/No			
COC Yes/No	YES		

NC DENR MRO IHSB
 JUN 21 2010
 RECEIVED
 DIVISION OF WATER QUALITY
 DWO
 6-16-10
 Loc. Descr.: AQUA FINA

Location ID:	MROAPNLC	Collect Date:	06/01/2010	Collect Time:	15:30	Sample Depth:	
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CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB	Sample temperature at receipt by lab		1.4	°C		6/2/10	SMATHIS
VOL	Volatile Organics in liquid		_TITLE_	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
67-66-3	Chloroform	0.25	1.2	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: MROAPNLC

Sample ID: AB59111

Collect Date: 06/01/2010

Collect Time: 15:30

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	6/2/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.com/web/wo/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.com/web/wo/lab/staffinfo/techassist>>

Trip Blank Bottled Water Project COC

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTION

Location code NONCD 000 2110
County _____
Quad No _____ Serial No. _____
Lat. _____ Long. _____

SAMPLE TYPE	SAMPLE PRIORITY
<input checked="" type="checkbox"/> Water	<input checked="" type="checkbox"/> Routine
<input type="checkbox"/> Soil	<input type="checkbox"/> Emergency
<input type="checkbox"/> Other	
<input checked="" type="checkbox"/> Chain of Custody	

3

Lab Number 106 0330 AB59111
Date Received 6.2.10 Time: 0830
Rec'd By: Hpm From: Bus, Courier, Hand Del.,
Other: _____
Data Entry By: _____ Ck: _____
Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____ Purpose: _____
Collector(s): D. DeCorte Date 6/1/2010 Time 1530 Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____
(circle one)

FIELD ANALYSES
pH 400 _____ Spec. Cond. 54 at 25°C
Temp. 10 _____ °C Odor _____
Appearance _____
Field Analysis By: _____
Remarks _____
(Pump, bailer, etc.)

LABORATORY ANALYSES

BOD 310	mg/L	Diss. Solids 70300	mg/L	Ag-Silver 46566	ug/L	Organochlorine Pesticides
COD High 340	mg/L	Fluoride 951	mg/L	Al-Aluminum 46557	ug/L	Organophosphorus Pesticides
COD Low 335	mg/L	Hardness: Total 900	mg/L	As-Arsenic 46551	ug/L	Nitrogen Pesticides
Coliform: MF Fecal 31616	/100ml	Hardness (non-carb) 902	mg/L	Ba-Barium 46558	ug/L	Acid Herbicides
Coliform: MF Total 31504	/100ml	Phenols 32730	ug/l	Ca-Calcium 46552	mg/L	PCBs
TOC 680	mg/L	Specific Cond. 95	µMhos/cm	Cd-Cadmium 46559	ug/L	
Turbidity 76	NTU	Sulfate 945	mg/L	Cr-Chromium 46559	ug/L	
Residue, Total Suspended 530	mg/L	Sulfide 745	mg/L	Cu-Copper 46562	ug/L	
				Fe-Iron 46563	ug/L	
		Oil and Grease	mg/L	Hg-Mercury 71900	ug/L	Semivolatile Organics
				K-Potassium 46555	mg/L	TPH-Diesel Range
pH 403	units			Mg-Magnesium 46554	mg/L	
Alkalinity to pH 4.5 410	mg/L			Mn-Manganese 46565	ug/L	✓ Volatile Organics (VOA bottle)
Alkalinity to pH 8.3 415	mg/L			Na-Sodium 46556	mg/L	TPH-Gasoline Range
Carbonate 445	mg/L	NH ₃ as N 610	mg/L	Ni-Nickel	ug/L	TPH-BTEX Gasoline Range
Bicarbonate 440	mg/L	TKN as N 625	mg/L	Pb-Lead 46564	ug/L	
Carbon dioxide 405	mg/L	NO ₂ + NO ₃ as N 630	mg/L	Se-Selenium	ug/L	
Chloride 940	mg/L	P: Total as P 665	mg/L	Zn-Zinc 46567	ug/L	
Chromium: Hex 1032	ug/L	Nitrate (NO ₃ as N) 620	mg/L			
Color: True 80	CU	Nitrite (NO ₂ as N) 615	mg/L			
Cyanide 720	mg/L					

LAB USE ONLY
Temperature on arrival (°C): 1.4

Lab Comments _____

Trip Blank Bottled Water Project **COC**

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTION

Location code _____

County _____

Quad No _____ Serial No. _____

Lat. _____ Long. _____

SAMPLE TYPE

- ☒ Water
☐ Soil
☐ Other
☒ Chain of Custody

SAMPLE PRIORITY

- ☒ Routine
☐ Emergency

(2)

Lab Number 106-0329 M359110

Date Received 6-2-10 Time: 0830

Rec'd By: KFM From: Bus, Courier, Hand Del.,

Other: _____

Data Entry By: _____ Ck: _____

Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: Purpose: _____

Collector(s): D. Decarlo Date 6/1/2010 Time 1528 Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH ₄₀₀ _____ Spec. Cond. at 25°C _____

Temp. ₁₀ _____ °C Odor _____

Appearance _____

Field Analysis By: _____

Owner _____

Location or Site _____

Description of sampling point Poland Springs

Sampling Method _____ Sample Interval _____

Remarks _____ (Pump, Bailer, etc.)

LABORATORY ANALYSES

BOD 310	mg/L	Diss. Solids 70300	mg/L	Ag-Silver 46566	ug/L	Organochlorine Pesticides
COD High 340	mg/L	Fluoride 951	mg/L	Al-Aluminum 46557	ug/L	Organophosphorus Pesticides
COD Low 335	mg/L	Hardness: Total 900	mg/L	As-Arsenic 46551	ug/L	Nitrogen Pesticides
Coliform: MF Fecal 31616	/100ml	Hardness (non-carb) 902	mg/L	Ba-Barium 46558	ug/L	Acid Herbicides
Coliform: MF Total 31504	/100ml	Phenols 32730	ug/l	Ca-Calcium 46552	mg/L	PCBs
TOC 680	mg/L	Specific Cond. 95	µMhos/cm	Cd-Cadmium 46559	ug/L	
Turbidity 76	NTU	Sulfate 945	mg/L	Cr-Chromium 46559	ug/L	
Residue, Total Suspended 530	mg/L	Sulfide 745	mg/L	Cu-Copper 46562	ug/L	
				Fe-Iron 46563	ug/L	Semivolatile Organics
		Oil and Grease	mg/L	Hg-Mercury 71900	ug/L	TPH-Diesel Range
pH 403	units			K-Potassium 46555	mg/L	
Alkalinity to pH 4.5 410	mg/L			Mg-Magnesium 46554	mg/L	
Alkalinity to pH 8.3 415	mg/L			Mn-Manganese 46565	ug/L	<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
Carbonate 445	mg/L	NH ₃ as N 610	mg/L	Na-Sodium 46556	mg/L	TPH-Gasoline Range
Bicarbonate 440	mg/L	TKN as N 625	mg/L	Ni-Nickel	ug/L	TPH-BTEX Gasoline Range
Carbon dioxide 405	mg/L	NO ₂ + NO ₃ as N 630	mg/L	Pb-Lead 46564	ug/L	
Chloride 940	mg/L	P: Total as P 665	mg/L	Se-Selenium	ug/L	
Chromium: Hex 1032	ug/L	Nitrate (NO ₃ as N) 620	mg/L	Zn-Zinc 46567	ug/L	
Color: True 80	CU	Nitrite (NO ₂ as N) 615	mg/L			
Cyanide 720	mg/L					

LAB USE ONLY


Temperature on arrival (°C):

1.4

Lab Comments _____

NC DWO Laboratory Section Results

Pest. 3140 Woodkaf
Reed 6/4/2010

County: ROWAN	 <div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">NCDENR MRO IHSB</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">JUL 6 2010</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">RECEIVED</div> </div>	Sample ID: AB59107
River Basin		PO Number #: 10G0325
Report To: MROAP		Date Received: 06/02/2010
Collector: D DECARLO		Time Received: 08:30
Region: MRO		Labworks LoginID: SMATHIS
Sample Matrix: GROUNDWATER		Report Generated: 7/1/10
Loc. Type: WATER SUPPLY		Date Reported: 07/01/2010
Emergency Yes/No		
COC Yes/No YES	VisitID	
Loc. Descr.: BOBBY REED		

Location ID: NONCD0002110MYERSBROS	Collect Date: 06/01/2010	Collect Time: 11:15	Sample Depth
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CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		1.4	°C		6/2/10	SMATHIS
PES							
	Chlorinated Pesticides in Liquid		<u> TITLE </u>	ug/L	EPA 608	6/7/10	NGOOD
15972-60-8	Alachlor	0.28	Not detected	ug/L	EPA 608	6/7/10	NGOOD
309-00-2	Aldrin	0.06	Not detected	ug/L	EPA 608	6/7/10	NGOOD
1912-24-9	Atrazine	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
319-84-6	BHC-Alpha	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
319-85-7	BHC-Beta	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
319-86-8	BHC_Delta	0.06	Not detected	ug/L	EPA 608	6/7/10	NGOOD
58-89-9	BHC-Gamma (Lindane)	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
57-74-9	Chlordane, Technical	0.5	Not detected	ug/L	EPA 608	6/7/10	NGOOD
5103-71-9	Chlordane, Alpha	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
5103-74-2	Chlordane, Gamma	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
3734-48-3	Chlordene	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
2675-77-6	Chlorneb	0.21	Not detected	ug/L	EPA 608	6/7/10	NGOOD
510-15-6	Chlorobenzilate	0.33	Not detected	ug/L	EPA 608	6/7/10	NGOOD
2921-88-2	Chlorpyrifos	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
1897-45-6	Chlorthalonil	0.2	Not detected	ug/L	EPA 608	6/7/10	NGOOD
1861-32-1	DCPA	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
60-57-1	Dieldrin	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
959-98-8	Endosulfan I	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
33213-65-9	Endosulfan II	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
1031-07-8	Endosulfan sulfate	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
72-20-8	Endrin	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
7421-93-4	Endrin Aldehyde	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
53494-70-5	Endrin Ketone	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
2593-15-9	Ethazole	0.09	Not detected	ug/L	EPA 608	6/7/10	NGOOD
76-44-8	Heptachlor	0.06	Not detected	ug/L	EPA 608	6/7/10	NGOOD
1024-57-3	Heptachlor epoxide	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
118-74-1	Hexachlorobenzene(Pest)	0.015	Not detected	ug/L	EPA 608	6/7/10	NGOOD
121-75-5	Malathion	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
2385-85-5	Mirex	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: NONCD0002110MYERSBROS	Sample ID: AB59107	Collect Date: 06/01/2010	Collect Time: 11:15
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PES

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
39765-80-5	Trans Nonachlor	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
26880-48-8	Oxychlordane	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
52645-53-1	Mixed Permethrin	1.2	Not detected	ug/L	EPA 608	6/7/10	NGOOD
117-18-0	Tecnazene	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
1582-09-8	Trifluralin	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
12674-11-12	Aroclor 1016	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
11104-28-2	Aroclor 1221	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
11141-16-5	Aroclor 1232	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
53469-21-9	Aroclor 1242	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
12672-29-6	Aroclor 1248	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
11097-69-1	Aroclor 1254	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
11096-82-5	Aroclor 1260	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
37324-23-5	Aroclor 1262	1	Not detected	ug/L	EPA 608	6/7/10	NGOOD
8001-35-2	Toxaphene	3	Not detected	ug/L	EPA 608	6/7/10	NGOOD
	Unidentified peaks by GC/ECD		0	ug/L	EPA 608	6/7/10	NGOOD
	Phosphorus based Pesticides in Liquid		<u>TITLE</u>	ug/L	EPA 614	6/4/10	NGOOD
766-19-6	Carbophenothion	0.8	Not detected	ug/L	EPA 614	6/4/10	NGOOD
78-48-8	DEF (Oxidized merphos)	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
126-75-0	Demeton	0.8	Not detected	ug/L	EPA 614	6/4/10	NGOOD
333-41-5	Diazinon	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
60-51-5	Dimethoate	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
298-04-4	Disulfoton	0.8	Not detected	ug/L	EPA 614	6/4/10	NGOOD
2497-06-5	Disulfoton Sulfone	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
2497-07-6	Disulfoton Sulfoxide	10	Not detected	ug/L	EPA 614	6/4/10	NGOOD
2104-64-5	EPN	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
563-12-2	Ethion	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
13194-48-4	Ethoprop	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
55-38-9	Fenthion	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
115-90-2	Fensulfothion	2.2	Not detected	ug/L	EPA 614	6/4/10	NGOOD
6923-22-4	Monocrotophos	1	Not detected	ug/L	EPA 614	6/4/10	NGOOD
300-76-5	Naled	2.7	Not detected	ug/L	EPA 614	6/4/10	NGOOD
56-38-2	Ethyl Parathion	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
298-00-0	Methyl Parathion	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
298-02-2	Phorate	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
299-84-3	Ronnel	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
3689-24-5	Sulfotepp	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
13071-79-9	Terbufos	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
	Unidentified peaks by GC/FPD		0	ug/L	EPA 614	6/4/10	NGOOD
	Nitrogen based Pesticides in Liquid		<u>TITLE</u>	ug/L	EPA 619	6/18/10	NGOOD
834-12-8	Ametryn	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
1610-17-9	Atraton	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
314-40-9	Bromacil	15	Not detected	ug/L	EPA 619	6/18/10	NGOOD

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110MYERSBROS**

Sample ID: **AB59107**

Collect Date: **06/01/2010**

Collect Time: **11:15**

PES

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
23184-66-9	Butachlor	15	Not detected	ug/L	EPA 619	6/18/10	NGOOD
2008-41-5	Butylate	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
101-21-3	chlorpropham	18	Not detected	ug/L	EPA 619	6/18/10	NGOOD
21725-46-2	Cyanazine	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
1134-23-2	Cycloate	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
957-51-7	Diphenamid	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
759-94-4	EPTC(Eptam)	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
51235-04-2	Hexazinone	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
51218-45-2	Metolachlor	18	Not detected	ug/L	EPA 619	6/18/10	NGOOD
21087-64-9	Metribuzin	18	Not detected	ug/L	EPA 619	6/18/10	NGOOD
2212-67-1	Molinate	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
15299-99-7	Napropamide	15	Not detected	ug/L	EPA 619	6/18/10	NGOOD
27314-13-2	Norflurazon	10	Not detected	ug/L	EPA 619	6/18/10	NGOOD
1114-71-2	Pebulate	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
1610-18-0	Prometon	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
7287-19-6	Prometryn	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
1114-71-2	Pronamide	33	Not detected	ug/L	EPA 619	6/18/10	NGOOD
139-40-2	Propazine	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
1014-70-6	Simetryn	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
34014-18-1	Tebuthiuron	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
41814-78-2	Tricyclazole	24	Not detected	ug/L	EPA 619	6/18/10	NGOOD
1929-77-7	Vernolate	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
53-19-0	DDD 2,4	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
72-54-8	DDD 4,4	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
3424-82-6	DDE 2,4	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
72-55-9	DDE 4,4	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
789-02-6	DDT 2,4	0.05	Not detected	ug/L	EPA 608	6/7/10	NGOOD
50-29-3	DDT 4,4	0.03	Not detected	ug/L	EPA 608	6/7/10	NGOOD
62-73-7	Dichlorvos	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
60168-88-9	Fenarimol	12	Not detected	ug/L	EPA 619	6/18/10	NGOOD
59756-60-4	Fluridone	50	Not detected	ug/L	EPA 619	6/18/10	NGOOD
72-43-5	Methoxychlor 4,4	0.3	Not detected	ug/L	EPA 608	6/7/10	NGOOD
000950-35-6	Methyl Paraoxon	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
7786-34-7	Mevinphos	0.4	Not detected	ug/L	EPA 614	6/4/10	NGOOD
1918-16-7	Propachlor	0.54	Not detected	ug/L	EPA 608	6/7/10	NGOOD
5902-51-2	Terbacil	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
886-50-0	Terbutryn	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
961-11-5	Tetrachlovinphos	1.5	Not detected	ug/L	EPA 619	6/18/10	NGOOD
43121-43-3	Triadimefon	6	Not detected	ug/L	EPA 619	6/18/10	NGOOD
Unidentifieds detected by GC/NPD			0	ug/L	EPA 619	6/18/10	NGOOD

Laboratory Section>>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/bwq/lab/staffinfo/rechassis/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/bwq/lab/staffinfo/rechassis>>

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code NONCD0002110 Myers Bros.County Rowan

Quad No. _____ Serial No. _____

Lat. _____ Long. _____

Report To: ARO, FRO, WRO, RRO, WaRO, WIRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____Shipped by: Bus, Courier, Hand Del., Other: _____Collector(s): DeCarlo/AlvailleDate 6/1/2010 Time 1115

Purpose: _____

Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____
(circle one)

FIELD ANALYSES

pH 400 _____ Spec. Cond. 94 _____ at 25°CTemp. 10 _____ °C Odor _____

Appearance _____

Field Analysis By: _____

Owner Bobby ReedLocation or Site 3140 Woodleaf RdDescription of sampling point spigot on well headSampling Method pumpRemarks purged 15 minutes

(Pump, bailer, etc.)

no resid. chlorine detected

(Pumping time, air temp., etc.)

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

<input checked="" type="checkbox"/> Organochlorine Pesticides
<input checked="" type="checkbox"/> Organophosphorus Pesticides
<input checked="" type="checkbox"/> Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>1.4</u>

Lab Comments _____

Water Supply Well Information Survey

3150 Woodleaf Road

Incident No: NONCD0002110 - APS#87973

Incident Name: Myers Bros. Gin

Please Provide the Following Information (to the best of your knowledge)

Person completing the survey

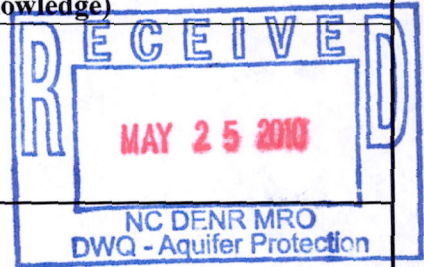
Name: BRET WATSON

Telephone: 704-630-4988

E-mail: bwatson28@carolina.rr.com

Address of property receiving survey :

3150 WOODLEAF ROAD
City: SALISBURY, NC 28147 County: ROWAN



What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there currently a water supply well on this property? Yes / No

If "No": What date was alternate source of water obtained? 11/09 . Please disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply)

Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____

You do not use the Well _____ (Date when was it last used _____).

How many residences are connected to the well (list addresses below)?

How deep (feet) is the well(s)?

Date well was installed?

What is the casing depth (feet) of the well(s)?

What is the casing diameter (inches) of the well(s)?

What is the screen interval (feet) of the well(s)?

Additional water supply well information:

When was the well(s) last tested (sampled)?

Who conducted the testing (sampling)?

What test (sampling) was conducted?

Please return completed survey to Donna DeCarlo by May 21, 2010 using one of the following methods:

1. Fax to: 704-663-6040

2. Mail to: Division Of Waste Management, 610 East Center Avenue, #301, Mooresville NC 28115

3. Telephone: 704-663-1699

4. E-mail to: donna.decarlo@ncdenr.gov

If you have any questions, please contact me at the **IHSB** Section Mooresville Regional Office at (704) 663 - 1699

Water Supply Well Information Survey

1810 Enon Church Road Road

Incident No: NONCD0002110 - APS#87973

Incident Name: Myers Bros. Gin

Please Provide the Following Information (to the best of your knowledge)

Person completing the survey

Name: Dale Myers

Telephone: 704-633-5858

E-mail: we Luv base ball @ CAROLINA.PP.COM

Address of property receiving survey :

City: Salisbury County: Rowan

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there currently a water supply well on this property? Yes / No

If "No": What date was alternate source of water obtained? Please disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

Dale Myers
2210 Enon Church Road
Salisbury, NC 28147

How many water supply wells are on your property? 2 (26" 4yrs old, 1 2" well approx. 80yrs old)

What is the well(s) used for? (check all that apply)

Drinking ☒ Irrigation ☒ Swimming Pool ☐ Water Livestock ☒ Other (specify) _____

You do not use the Well (Date when was it last used _____).

How many residences are connected to the well (list addresses below)? 1

How deep (feet) is the well(s)? ²⁶⁶ 300± ft casing ^{6"} 6" Date well was installed? approx. 4 yrs ago

What is the casing depth (feet) of the well(s)? 99 / 266 What is the casing diameter (inches) of the well(s)? 6"

What is the screen interval (feet) of the well(s)?

Additional water supply well information:

old 2" well on property, used only for watering garden, wash car. not used very often

When was the well(s) last tested (sampled)? never

Who conducted the testing (sampling)? N/A

What test (sampling) was conducted? N/A

Please return completed survey to Donna DeCarlo using one of the following methods: (Or I can pick it up 5/6/10/2010)

1. Fax to: 704-663-6040

2. Mail to: Division Of Waste Management, 610 East Center Avenue, #301, Mooresville NC 28115

3. Telephone: 704-663-1699

4. E-mail to: donna.decarlo@ncdenr.gov

If you have any questions, please contact me at the IHSB Section Mooresville Regional Office at (704) 663 - 1699



COPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 26, 2010

Roger Dale Myers
1810 Enon Church Road
Salisbury, North Carolina 28147

Re: **Water-Supply Well Information Survey & Sampling Request**
1810 Enon Church Road
Salisbury, North Carolina 28145
Parcel ID: 329 385

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a "Water Supply Well Information Survey" and Water Supply Well Sampling Event in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

Our file records and data from Rowan County and/or the City of Salisbury indicates that you are the owner or tenant of the parcel(s) at the above referenced location(s), which may not be connected to a municipal water source. The Branch has attached a "Water Supply Well Information Survey" form for you to complete and mail back to us in the attached prepaid self addressed envelope. The information provided in the attached "Water Supply Well Information Survey" form will allow the Branch to continue to evaluate and monitor groundwater in your area. This groundwater is your source of potable drinking water.

On **Tuesday, June 1, 2010**, the Branch is planning a Water Supply Well Sampling Event in your area. To have the Branch sample a water-supply well located at your property, you would not have to be present, and there would be **no cost** to you. The groundwater sample would be submitted for laboratory analyses, and the results would be sent to you.

If your property obtains drinking (potable) water from a public source such as a rural water district or city water company, if your property does not have a water-supply well or had a well that has been properly abandoned, or you do not wish to have your water-supply well sampled, please contact me as soon as possible at (704) 663-1699. You can also email me at address below.

If you want your well sampled and will not be home June 1, we will need to know where we can collect the sample. The best location to collect the sample is at the well itself. If the well does not have a spigot at the well,

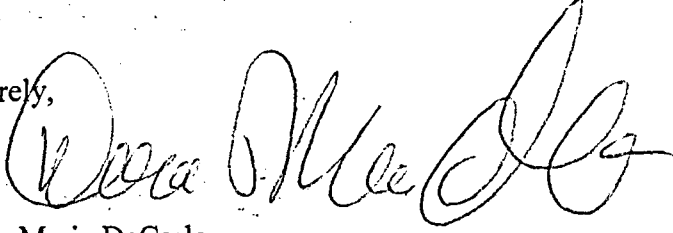
610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

An Equal Opportunity \ Affirmative Action Employer

One
North Carolina
Naturally

the sample can be collected from a yard spigot or hose bib on the foundation. Please indicate on the form where the well or outside spigot is on your property. Thank you for your assistance and cooperation with this project.

Sincerely,

A handwritten signature in black ink, appearing to read "Donna Marie DeCarlo". The signature is fluid and cursive, with the first name "Donna" being the most prominent.

Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form
Prepaid-Self Addressed Envelope

Water Supply Well Information Survey

1875 Enon Church Road

Incident No: NONCD0002110 - APS#87973

Incident Name: Myers Bros. Gin

Please Provide the Following Information (to the best of your knowledge)

RECEIVED

Person completing the survey

Name: Jim Summers

Telephone: 704-278-9459

E-mail: james.summers@nc-nacdnet.net

MAY 25 2010

Address of property receiving survey: ENON BAPTIST CHURCH
1875 ENON CH. RD.

NCDENR MRO IHSB

City: SALISBURY

County: PAWAN

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there currently a water supply well on this property? Yes No

If "No": What date was alternate source of water obtained? 2007. Please disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply)

Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____

You do not use the Well _____ (Date when was it last used _____).

How many residences are connected to the well (list addresses below)?

How deep (feet) is the well(s)?

Date well was installed?

What is the casing depth (feet) of the well(s)?

What is the casing diameter (inches) of the well(s)?

What is the screen interval (feet) of the well(s)?

Additional water supply well information:

When was the well(s) last tested (sampled)?

Who conducted the testing (sampling)?

What test (sampling) was conducted?

Please return completed survey to Donna DeCarlo by May 21, 2010 using one of the following methods:

1. Fax to: 704-663-6040

2. Mail to: Division Of Waste Management, 610 East Center Avenue, #301, Mooresville NC 28115

3. Telephone: 704-663-1699

4. E-mail to: donna.decarlo@ncdenr.gov

If you have any questions, please contact me at the IHSB Section Mooresville Regional Office at (704) 663 - 1699



 **COPY**

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 20, 2010

Tom and Beverly Dillard
PO Box 1808
Salisbury, North Carolina 28147

Re: **Water-Supply Well Information Survey & Sampling Request**
2800 Woodleaf Road
Salisbury, North Carolina 28145-1808
Parcel IDs: 328 066 and 328 100

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a "Water Supply Well Information Survey" and Water Supply Well Sampling Event in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

Our file records and data from Rowan County and/or the City of Salisbury indicates that you are the owner or tenant of the parcel(s) at the above referenced location(s), which may not be connected to a municipal water source. The Branch has attached a "Water Supply Well Information Survey" form for you to complete and mail back to us in the attached prepaid self addressed envelope. The information provided in the attached "Water Supply Well Information Survey" form will allow the Branch to continue to evaluate and monitor groundwater in your area. This groundwater is your source of potable drinking water.

On **Tuesday, May 25, 2010**, the Branch is planning a Water Supply Well Sampling Event in your area. To have the Branch sample a water-supply well located at your property, you would not have to be present, and there would be **no cost** to you. The groundwater sample would be submitted for laboratory analyses, and the results would be sent to you.

If your property obtains drinking (potable) water from a public source such as a rural water district or city water company, if your property does not have a water-supply well or had a well that has been properly abandoned, or you do not wish to have your water-supply well sampled, please contact me as soon as possible at (704) 663-1699. You can also email me at address below.

If you want your well sampled and will not be home May 25, we will need to know where we can collect the sample. The best location to collect the sample is at the well itself. If the well does not have a spigot at the well,

Y903 

Page 2 of 2

the sample can be collected from a yard spigot or hose bib on the foundation. Please indicate on the form where the well or outside spigot is on your property. Thank you for your assistance and cooperation with this project.

Sincerely,



Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form
Prepaid-Self Addressed Envelope

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTION

Location code NONCD 0002110County Rowan

Quad No _____ Serial No. _____

Lat. _____ Long. _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____Collector(s): D. DeCarlo / M. AlvalleDate 5/25/2010 Time 1630

Purpose:

Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH 4.00 Spec. Cond. 94 at 25°CTemp. 10 °C Odor noneAppearance clear, colorlessField Analysis By: D. DeCarloOwner ReedLocation or Site 3140 Woodleaf Rd SalisburyDescription of sampling point spigot at well head on edge of hay field/woodsSampling Method pumpRemarks pumped 15 minutes

(Pump, bailer, etc.)

(Pumping time, air temp., etc.)

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>0.8</u>

Lab Comments _____

NC DWO Laboratory Section Results

Reed VOCs
3140 Woodleaf
5/25/10

County: **ROWAN**
River Basin
Report To: **MROAP**
Collector: **D DECARLO**
Region: **MRO**
Sample Matrix: **GROUNDWATER**
Loc. Type: **WATER SUPPLY**
Emergency Yes/No
COC Yes/No **YES**



6-11-10
Hpm

Sample ID: **AB58843**
PO Number #: **10G0310**
Date Received: **05/26/2010**
Time Received: **08:15**
Labworks LoginID: **SMATHIS**
Report Generated: **6/10/10**
Date Reported: **06/10/2010**

RECEIVED

JUN 15 2010

NCDENR MRO IHSB

Location ID: **NONCD0002110** Collect Date: **05/25/2010** Collect Time: **16:30** Sample Depth

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		0.8	°C		5/26/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u>_TITLE_</u>	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
67-66-3	Chloroform	0.25	0.21 N3	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	0.26	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110**

Sample ID: **AB58843**

Collect Date: **05/25/2010**

Collect Time: **16:30**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
91-20-3	Naphthalene	0.5	0.39 N3	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER

NC DWO Laboratory Section Results

WATSON
3150 Woodleaf

County: **ROWAN**
River Basin
Report To: **MROAP**
Collector: **D DECARLO**
Region: **MRO**
Sample Matrix: **GROUNDWATER**
Loc. Type: **WATER SUPPLY**
Emergency Yes/No
COC Yes/No **YES**



Sample ID: **AB58844**
PO Number #: **10G0311**
Date Received: **05/26/2010**
Time Received: **08:15**
Labworks LoginID: **SMATHIS**
Report Generated: **6/10/10**
Date Reported: **06/10/2010**

RECEIVED

Loc. Descr.: **WATSON**

JUN 15 2010

Location ID: NONCD0002110	Collect Date: 05/25/2010	Collect Time: 16:36	Sample Depth
----------------------------------	---------------------------------	----------------------------	--------------

CAS # Analyte Name PQL Result/Qualifier Units Method Reference Analysis Date Validated by

LAB

Sample temperature at receipt by lab 0.8 °C 5/26/10 SMATHIS

VOL

	Volatile Organics in liquid		_TITLE_	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	2	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
74-87-3	Chloromethane	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-01-4	Vinyl Chloride	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
74-83-9	Bromomethane	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-00-3	Chloroethane	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-69-4	Trichlorofluoromethane	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-09-2	Methylene Chloride	20	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
74-97-5	Bromochloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
67-66-3	Chloroform	0.5	0.58 P1	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
71-43-2	Benzene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
74-95-3	Dibromomethane	2	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
79-01-6	Trichloroethene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-27-4	Bromodichloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-88-3	Toluene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110**

Sample ID: **AB58844**

Collect Date: **05/25/2010**

Collect Time: **16:36**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
127-18-4	Tetrachloroethene	0.5	11 P1	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-90-7	Chlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
100-41-4	Ethylbenzene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-25-2	Bromoform	2	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-38-3	m,p-Xylene	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
100-42-5	Styrene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
95-47-6	o-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
98-82-8	Isopropylbenzene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-86-1	Bromobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
103-65-1	n-Propylbenzene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
104-51-8	n-Butylbenzene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	4	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
91-20-3	Naphthalene	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
87-68-3	Hexachlorobutadiene	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	2	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER

Sample Comments

VOL: P1 - (5/26/10)DIL x2

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code NONCD 0002110County Rowan

Quad No _____ Serial No. _____

Lat. _____ Long. _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,

WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____Collector(s): D. DeCarloDate 5/25/2012 Time 1636

Purpose:

Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH ₄₀₀ _____ Spec. Cond. ₉₄ _____ at 25°CTemp. ₁₀ _____ °C Odor noneAppearance clear, colorlessField Analysis By: D. DeCarloOwner WatsonLocation or Site 3150 Woodleaf RdDescription of sampling point spigot at well head on edge of new field/woodsSampling Method pumpRemarks purged 17 minutes

(Pump, bailer, etc.)

Sample Interval _____

LABORATORY ANALYSES

(Pumping time, air temp., etc.)

BOD 310	mg/L	Diss. Solids 70300	mg/L	Ag-Silver 46566	ug/L	Organochlorine Pesticides
COD High 340	mg/L	Fluoride 951	mg/L	Al-Aluminum 46557	ug/L	Organophosphorus Pesticides
COD Low 335	mg/L	Hardness: Total 900	mg/L	As-Arsenic 46551	ug/L	Nitrogen Pesticides
Coliform: MF Fecal 31616	/100ml	Hardness (non-carb) 902	mg/L	Ba-Barium 46558	ug/L	Acid Herbicides
Coliform: MF Total 31504	/100ml	Phenols 32730	ug/l	Ca-Calcium 46552	mg/L	PCBs
TOC 680	mg/L	Specific Cond. 95	µMhos/cm	Cd-Cadmium 46559	ug/L	
Turbidity 76	NTU	Sulfate 945	mg/L	Cr-Chromium 46559	ug/L	
Residue, Total Suspended 530	mg/L	Sulfide 745	mg/L	Cu-Copper 46562	ug/L	
				Fe-Iron 46563	ug/L	Semivolatile Organics
pH 403	units	Oil and Grease	mg/L	Hg-Mercury 71900	ug/L	TPH-Diesel Range
Alkalinity to pH 4.5 410	mg/L			K-Potassium 46555	mg/L	
Alkalinity to pH 8.3 415	mg/L			Mg-Magnesium 46554	mg/L	
Carbonate 445	mg/L	NH ₃ as N 610	mg/L	Mn-Manganese 46565	ug/L	<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
Bicarbonate 440	mg/L	TKN as N 625	mg/L	Na-Sodium 46556	mg/L	TPH-Gasoline Range
Carbon dioxide 405	mg/L	NO ₂ + NO ₃ as N 630	mg/L	Ni-Nickel	ug/L	TPH-BTEX Gasoline Range
Chloride 940	mg/L	P: Total as P 665	mg/L	Pb-Lead 46564	ug/L	
Chromium: Hex 1032	ug/L	Nitrate (NO ₃ as N) 620	mg/L	Se-Selenium	ug/L	
Color: True 80	CU	Nitrite (NO ₂ as N) 615	mg/L	Zn-Zinc 46567	ug/L	
Cyanide 720	mg/L					

Lab Comments _____


LAB USE ONLY

Temperature on arrival (°C):

0.8

Dillard - 2800 Woodleaf
All PQL

NC DWO Laboratory Section Results

County: ROWAN	 NC DENR MRO IHSB JUN 08 2010 RECEIVED	Sample ID: AB58842
River Basin		PO Number #: 10G0309
Report To: MROAP		Date Received: 05/26/2010
Collector: D DECARLO		Time Received: 08:15
Region: MRO		Labworks LoginID: SMATHIS
Sample Matrix: GROUNDWATER		Report Generated: 6/3/10
Loc. Type: WATER SUPPLY		Date Reported: 06/03/2010
Emergency Yes/No		VisitID
COC Yes/No YES	Loc. Descr.: DILLARD	

Location ID: NONCD0002110	Collect Date: 05/25/2010	Collect Time: 15:45	Sample Depth
----------------------------------	---------------------------------	----------------------------	--------------

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		0.8	°C		5/26/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist#Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110**

Sample ID: **AB58842**

Collect Date: **05/25/2010**

Collect Time: **15:45**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
	VOC'S BY GC/MS	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTION

Location code NONCD GOC2110County Rowan

Quad No _____ Serial No. _____

Lat. _____ Long. _____

Report To: ARO, FRO, MRO, RRO, WaRO, WIRO,

WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____Collector(s): D. DeCarlo / M. AlvalleDate 5/25/2010 Time 1545

Purpose:

Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH ₄₀₀ _____ Spec. Cond. ₉₄ _____ at 25°CTemp. ₁₀ _____ °C Odor noneAppearance clear, colorlessField Analysis By: D. DeCarlo

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>0.8</u>

SAMPLE TYPE

☒ Water☐ Soil☐ Other☒ Chain of Custody

SAMPLE PRIORITY

☒ Routine☐ Emergency

3

Lab Number 10G 0309Date Received 5-26-10 Time: 0815Rec'd By: Hpm From: Bus, Courier, Hand Del.,

Other: _____

Data Entry By: _____ Ck: _____

Date Reported: _____

Owner DillardLocation or Site 2800 Woodleaf Rd SalisburyDescription of sampling point hose bib on kennel buildingSampling Method pumpRemarks pumped 15 minutes (Pump, bailer, etc.)

(Pumping time, air temp., etc.)

Lab Comments _____

Report to: **INCLUDE**

GROUNDWATER SECTION

Page 2 of 2

CHAIN OF CUSTODY (COC) RECORD

NC DENR/DWQ LABORATORY (check one):

☒ CENTRAL

[] ARO

[] WaRO

For Investigation of: Woodleaf Rd

Incident No. NONCD0002110

Sample collector (print name) Donna DeCarlo

and GW-54 forms completed by:

Sample collector's signature: _____

Field storage conditions and location (when applicable):

Lab Use Only						
LAB NO.	SAMPLE ID	QUAD. NO.	LOCATION	DATE SAMPLED	TIME SAMPLED	NUMBER OF CONTAINERS
AB62264	4		270 Victoria St.	8/17/2010	1233	4
AB62265	5		260 Victoria St.	8/17/2010	1249	4
AB62266	6		225 Victoria St.	8/17/2010	1317	4
AB62267	7		325 Victoria St.	8/17/2010	1410	4
AB62268	8		1725 West Ridge St.	8/17/2010	1512	4

Relinquished by (signature):

Date _____

Time

Received by (signature):/

Date _____

Time

Relinquished by (signature):

Date _____

Time

Received by (signature):

Date

Time

Relinquished by (signature):

Date _____

Time

Received by (signature):

Date _____

Time

Method of Shipment (check one): State Courier ☒ Hand-delivered ☐ Federal Express ☐ UPS ☐ Other: _____

Security Type and Conditions:

Sealed by:

Broken by:

INTRALABORATORY CHAIN OF CUSTODY - Lab Use Only[illegible]

NC DWO Laboratory Section Results

Klutz
3045 Woodleaf

County: **ROWAN**
River Basin
Report To: **MROAP**
Collector: **D DECARLO**
Region: **MRO**
Sample Matrix: **GROUNDWATER**
Loc. Type: **WATER SUPPLY**
Emergency Yes/No
COC Yes/No **YES**



4pm
6-11-10

Sample ID: **AB58841**
PO Number #: **10G0308**
Date Received: **05/26/2010**
Time Received: **08:15**
Labworks LoginID: **SMATHIS**
Report Generated: **6/10/10**
Date Reported: **06/16/2010**

RECEIVED

JUN 15 2010

Loc. Descr.: **KLUTZ**

Location ID: NONCD0002110	Collect Date: 05/25/2010	Collect Time: 13:17	Sample Depth: NCDENR MRO IHSB
----------------------------------	---------------------------------	----------------------------	--------------------------------------

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
LAB							
	Sample temperature at receipt by lab		0.8	°C		5/26/10	SMATHIS
VOL							
	Volatile Organics in liquid		<u>TITLE</u>	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-71-8	Dichlorodifluoromethane	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
74-87-3	Chloromethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-01-4	Vinyl Chloride	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
74-83-9	Bromomethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-00-3	Chloroethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-69-4	Trichlorofluoromethane	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
1634-04-4	Methyl Tert-Butyl Ether	0.25	4.0	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
67-66-3	Chloroform	0.25	0.38 N2	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
71-43-2	Benzene	0.25	0.77	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
74-95-3	Dibromomethane	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist/Data_Qualifier_Codes <<http://portal.ncdenr.org/web/wq/lab/staffinfo/techassist>>

NC DWQ Laboratory Section Results

Location ID: **NONCD0002110**

Sample ID: **AB58841**

Collect Date: **05/25/2010**

Collect Time:: **13:17**

VOL

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
124-48-1	Dibromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
106-93-4	(EDB)1,2-Dibromoethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
75-25-2	Bromoform	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-38-3	m,p-Xylene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
95-47-6	o-Xylene	0.25	0.30	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
95-63-6	1,2,4-Trimethylbenzene	0.25	0.13 N3	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
96-12-8	1,2-Dibromo-3-Chloropropane	2	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
120-82-1	1,2,4-Trichlorobenzene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
91-20-3	Naphthalene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
87-68-3	Hexachlorobutadiene	0.5	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
87-61-6	1,2,3-Trichlorobenzene	1	Not detected	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER
	Diisopropyl ether		0.65 N1	ug/L	EPA5030/624/8260	5/26/10	ACHANDLER

Sample Comments

VOL: N2 - Compound is present, but unable to achieve a good quality mat

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY-GROUNDWATER SECTIONLocation code NONCD 0002110County Rowan

Quad No _____ Serial No. _____

Lat. _____ Long. _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): DeCarloDate 5/25/2010 Time 1317

Purpose: _____

Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH₄₀₀ _____ Spec. Cond.₉₄ _____ at 25°CTemp.₁₀ _____ °C Odor noneAppearance clear, colorlessField Analysis By: D. DeCarlo

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/L
Turbidity 76	NTU
Residue, Total Suspended 530	mg/L
pH 403	units
Alkalinity to pH 4.5 410	mg/L
Alkalinity to pH 8.3 415	mg/L
Carbonate 445	mg/L
Bicarbonate 440	mg/L
Carbon dioxide 405	mg/L
Chloride 940	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	CU
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: Total 900	mg/L
Hardness (non-carb) 902	mg/L
Phenols 32730	ug/l
Specific Cond. 95	µMhos/cm
Sulfate 945	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
NH ₃ as N 610	mg/L
TKN as N 625	mg/L
NO ₂ + NO ₃ as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ as N) 615	mg/L

SAMPLE PRIORITY

☒ Routine
☐ Emergency

SAMPLE TYPE

☒ Water
☐ Soil
☐ Other
☒ Chain of CustodyOwner KlutzLocation or Site 3045 Woodleaf Rd SalisburyDescription of sampling point spigot at well headSampling Method pump - purged 15 minutesRemarks purged 15 minutes

(Pumping time, air temp., etc.)

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46559	ug/L
Cu-Copper 46562	ug/L
Fe-Iron 46563	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 46554	mg/L
Mn-Manganese 46565	ug/L
Na-Sodium 46556	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
PCBs
Semivolatile Organics
TPH-Diesel Range
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
Temperature on arrival (°C): <u>0.8</u>

Lab Comments _____

Report to: MRO

GROUNDWATER SECTION

Page (of (

CHAIN OF CUSTODY (COC) RECORD

NC DENR/DWO LABORATORY (check one): ☒ CENTRAL ☐ ARO ☐ WaRO

For Investigation of: Myers Bros. Gin

Incident No. 1101CDO00211C

Sample collector (print name) Donna DeCarlo

and GW-54 forms completed by:

Sample collector's signature:

Field storage conditions and location (when applicable):

[illegible]

Relinquished by (signature):

Date
5/25/2010

Time
(1830)

Received by (signature):

Date

Time

Relinquished by (signature):

Date _____

Time

Received by (signature):

Date _____

Time

Relinquished by (signature):

Date _____

Time

Received by (signature):

Date _____

Time

Method of Shipment (check one): State Courier ☒ Hand-delivered ☐ Federal Express ☐ UPS ☐ Other: _____

Security Type and Conditions;

Sealed by:

Broken/by:

INTRALABORATORY CHAIN OF CUSTODY - Lab Use Only

Note: Cooler did have Coc tape with signature (HPS)

[illegible]



FILE

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 19, 2010

Mr. Carlton Myers
2725 Woodleaf Road
Salisbury, North Carolina 28147

Re: **Water-Supply Well Information Survey & Sampling Request**
Woodleaf Road
Salisbury, North Carolina 28147
Parcel IDs: 328 053, 328 064, 328 118, 328 028, 328 B 037

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a "Water Supply Well Information Survey" and Water Supply Well Sampling Event in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

Our file records and data from Rowan County and/or the City of Salisbury indicates that you are the owner or tenant of the parcel(s) at the above referenced location(s), which may not be connected to a municipal water source. The Branch has attached a "Water Supply Well Information Survey" form for you to complete and mail back to us in the attached prepaid self addressed envelope. The information provided in the attached "Water Supply Well Information Survey" form will allow the Branch to continue to evaluate and monitor groundwater in your area. This groundwater is your source of potable drinking water.

On **Tuesday, May 25, 2010**, the Branch is planning a Water Supply Well Sampling Event in your area. To have the Branch sample a water-supply well located at your property, you would not have to be present, and there would be **no cost** to you. The groundwater sample would be submitted for laboratory analyses, and the results would be sent to you.

If your property obtains drinking (potable) water from a public source such as a rural water district or city water company, if your property does not have a water-supply well or had a well that has been properly abandoned, or you do not wish to have your water-supply well sampled, please contact me as soon as possible at (704) 663-1699. You can also email me at address below.

If you want your well sampled and will not be home May 25, we will need to know where we can collect the sample. The best location to collect the sample is at the well itself. If the well does not have a spigot at the well,

the sample can be collected from a yard spigot or hose bib on the foundation. Please indicate on the form where the well or outside spigot is on your property. Thank you for your assistance and cooperation with this project.

Sincerely,

Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form
Prepaid-Self Addressed Envelope



FILE

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 19, 2010

Mr. Bobby Reed
3140 Woodleaf Road
Salisbury, North Carolina 28147

Re: **Water-Supply Well Information Survey & Sampling Request**
3140 Woodleaf Road
Salisbury, North Carolina 28147
Parcel ID: 328 B 034

Dear Property Owner Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a "Water Supply Well Information Survey" and Water Supply Well Sampling Event in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

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If your property obtains drinking (potable) water from a public source such as a rural water district or city water company, if your property does not have a water-supply well or had a well that has been properly abandoned, or you do not wish to have your water-supply well sampled, please contact me as soon as possible at (704) 663-1699. You can also email me at address below.

If you want your well sampled and will not be home May 25, we will need to know where we can collect the sample. The best location to collect the sample is at the well itself. If the well does not have a spigot at the well,

the sample can be collected from a yard spigot or hose bib on the foundation. Please indicate on the form where the well or outside spigot is on your property. Thank you for your assistance and cooperation with this project.

Sincerely,

Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form
Prepaid-Self Addressed Envelope



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North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 19, 2010

Mr. Bobby Kluttz
3045 Woodleaf Road
Salisbury, North Carolina 28147

Re: **Water-Supply Well Information Survey & Sampling Request**
3045 Woodleaf Road
Salisbury, North Carolina 28147
Parcel ID: 329 036

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a "Water Supply Well Information Survey" and Water Supply Well Sampling Event in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

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If you want your well sampled and will not be home May 25, we will need to know where we can collect the sample. The best location to sample is at the well itself. If there is not a spigot at the well, the sample can be

FILE

collected from a yard spigot or hose bib on the house foundation. Please indicate on the form where the well or outside spigot is on your property. Thank you for your assistance and cooperation with this project.

Sincerely,

Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form
Prepaid-Self Addressed Envelope



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North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 19, 2010

Brett and Susan Watson
3150 Woodleaf Road
Salisbury, North Carolina 28147

Re: **Water-Supply Well Information Survey & Sampling Request**
3150 Woodleaf Road
Salisbury, North Carolina 28147
Parcel ID: 328 B 112

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a "Water Supply Well Information Survey" and Water Supply Well Sampling Event in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

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the sample can be collected from a yard spigot or hose bib on the foundation. Please indicate on the form where the well or outside spigot is on your property. Thank you for your assistance and cooperation with this project.

Sincerely,

Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form
Prepaid-Self Addressed Envelope

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North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 19, 2010

Enon Baptist Church
1875 Enon Church Road
Salisbury, North Carolina 28147

Re: **Water-Supply Well Information Survey & Sampling Request**
3150 Woodleaf Road
Salisbury, North Carolina 28147
Parcel IDs: 329 B 032 and 329 381

Dear Property Owner /Tenant:

The Division of Waste Management, through its Superfund Section's Inactive Hazardous Sites Branch ("Branch") is conducting a "Water Supply Well Information Survey" and Water Supply Well Sampling Event in your area. These are being conducted to verify the current status and use of potable water supply wells in the vicinity of Sites listed in the Branch's inventory.

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610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115
Phone: 704-663-1699 \ FAX: 704-663-6040 \ Internet: www.wastenotnc.org

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North Carolina
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Page 2 of 2

the sample can be collected from a yard spigot or hose bib on the foundation. Please indicate on the form where the well or outside spigot is on your property. Thank you for your assistance and cooperation with this project.

Sincerely,


Donna Marie DeCarlo
Hydrogeologist
Department of Environment and Natural Resources
Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
donna.decarlo@ncdenr.gov

Enclosures: Water Supply Well Information Survey Form
Prepaid-Self Addressed Envelope

MEMORANDUM

Date: May 19, 2011

TO: Donna DeCarlo, Hydrogeologist
Superfund Section, IHSB
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygienist 
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
3140 Woodleaf Road
Salisbury, Rowan County

A water sample was collected from the water supply well at the subject address on April 18, 2011. Carbon tetrachloride was detected at a concentration that did not exceed its applicable standard. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L).

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Sample #	Chemical	04/18/2011 Concentrations ug/l	USEPA MCL ug/l	Calculated Health-based Concentration ug/l
1040414-09	Carbon tetrachloride	0.59	5	*

ug/l = Micrograms of contaminant per liter of water.

*Not applicable



COPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor
January 25, 2010

Dexter R. Matthews
Director

Dee Freeman
Secretary

Bret and Susan Watson
4150 Woodleaf Road
Salisbury, NC 28081

Re: **APPLICATION FOR BERNARD ALLEN EMERGENCY DRINKING WATER FUND**

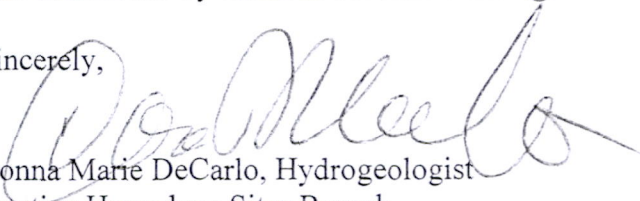
Woodleaf & Ridge PCE
Salisbury, Rowan County
IHSB # Pending

Dear Mr. and Mrs. Watson:

On September 15, 2010, I spoke with you to discuss options for providing an alternative water supply to your residence. Samples collected from your water supply well on May 26, 2010 and June 21, 2010 were found to exceed the federal drinking water standard for tetrachloroethene (PCE). I called to follow up with you on November 1, 2010 because I had not received your completed application. You indicated that you had not sent the application back because you did not meet the Bernard Allen fund's income requirement. As I explained in my phone call, documenting that you are not eligible for the Bernard Allen Fund by returning a completed application form is a requirement for requesting access to other potential funding sources. A Point of Entry (POE) treatment system appears to be the best option for your situation. POE systems typically range in cost from about \$4,000.00 to \$5,000.00 depending on the type and concentrations of contaminants, type of system, water use patterns, and other factors. Maintenance costs also vary.

As of this date, I have not received a response from you. I cannot continue the process of investigating funding options without your assistance and cooperation. Please let me know how you wish to proceed, including if you have decided not to seek access to an alternate water source through the Inactive Hazardous Sites Branch programs. If you have any questions or need additional information please call me at **704 235 2166**. You can also contact me by email at donna.decarlo@ncdenr.gov Your prompt response is appreciated.

Sincerely,



Donna Marie DeCarlo, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section
610 East Center Avenue, Suite 301
Mooresville, NC 28115